DRW.049-OC12S,12M, S.C.TAP-OFF ON INTERMEDIATE 0°-5° STRUC. W/STAYS

ALL DIMENSIONS ARE IN MILLIMETER

SERIAL NO.	QTY	BILL OF MATERIALS DESCRIPTION	REFERENCES	
01	1	OC12S – 12 Meter Steel Pole, HDG, Single Circuit	20-SDMS-01	Page 34
02	3	Crossarm – L 100x100x12x2400mm L.G.	20-SDMS-02	Fig. 01
03	3	Brace – L 50x50x4x828mm L.G.	20-SDMS-02	Fig. 04
04	3	Brace – L 50x50x4x828mm L.G. With One End Clipped	20-SDMS-02	Fig. 04
05	5	Line Post Insulator	15-SDMS-01	Clause 4.2.8
06	3 Set	Suspension Insulator	15-SDMS-01	Page 23
07	3	Parallel Groove Compression Connector for Merlin-Merlin	20-SDMS-02	Fig. 39
08	1	Parallel Groove Compression Connector for 67.44mm2 ACSR/AW (Quail)	20-SDMS-02	Fig. 39
09	14	Machine Bolt, M20x60mm With Nut, 2 Flat Washer & 1 Spring Washer	20-SDMS-02	Fig. 15
10	2	Machine Bolt, M20x225mm With Nut, 2 Flat Washer & 1 Spring Washer	20-SDMS-02	Fig. 15
11	3	Machine Bolt, M20x265mm With Nut, 2 Flat Washer & 1 Spring Washer	20-SDMS-02	Fig. 15
12	1	Strain Clamp, Straight Line Deadend Type for Quail	20-SDMS-02	Fig. 30
13	3	Strain Clamp, 3 U-Bolts Type for Merlin	20-SDMS-02	Fig. 29
14	4	Anchor Shackle	20-SDMS-02	Fig. 20
15	3	Clevis Eye Extension	20-SDMS-02	Fig. 21
16	3 Set	Preformed Armoured Rods for 170.5mm2 ASCR/AW (Merlin)	20-SDMS-02	Fig. 38
17a	3	Preformed Line Post Insulator Top Tie for Merlin With Armour	20-SDMS-02	Fig. 35
17b	2	Preformed Line Post Insulator Top Tie for Merlin	20-SDMS-02	Fig. 35
18	4	Double Arming Plate, 100x12x700mm	20-SDMS-02	Fig. 07
19	1	Earthwire Support Plate	20-SDMS-02	Fig. 06
20	1	Earthwire Suspension Support	20-SDMS-02	Fig. 05
21	1 Set	Preformed Armoured Rods for 67.44mm2 ASCR/AW (Quail)	20-SDMS-02	Fig. 38
22	2 Set	Phasing Plates (A,B,C)	20-SDMS-02	Fig. 53/54
23	24M	Stay Wire 7/4, 12mm Dia. HDG Steel, UTS 101kN (Min)		
24	1 Set	M.V.-S.C. Two Stay Assembly	20-SDMS-02	Drw. 303
25	1 Set	Danger Sign Plate Complete With Its Accessories	20-SDMS-02	Fig. 49/50
26	15M	Anti-Climbing Device, Barbed Wire	20-SDMS-02	Fig. 13
27	2	Buckle Type, Locking Clip for Barbed Wire	20-SDMS-02	Fig. 13
28	1 Set	Pole Numbering Base Plate	20-SDMS-02	Fig. 51
29	1 Set	Pole Numbering Plates	20-SDMS-02	Fig. 51
		170.5mm2 ACSR/AW, MERLIN		

DRW.049A-OC12S, 12M, S.C. TAP-OFF ON INTERMEDIATE 0°-5° STRUC. WITH STAYS FOR MERLIN MAIN & MERLIN TAP-OFF

SERIAL NO.	QTY	BILL OF MATERIALS DESCRIPTION	REFERENCES	
01	1	OC12S – 12 Meter Steel Pole, HDG, Single Circuit	20-SDMS-01	Page 34
02	3	Crossarm – L 100x100x12x2400mm L.G.	20-SDMS-02	Fig. 01
03	3	Brace – L 50x50x4x828mm L.G.	20-SDMS-02	Fig. 04
04	3	Brace – L 50x50x4x828mm L.G. With One End Clipped	20-SDMS-02	Fig. 04
05	5	Line Post Insulator	15-SDMS-01	Clause 4.2.8
06	3 Set	Suspension Insulator	15-SDMS-01	Page 23
07	3	Parallel Groove Compression Connector for Merlin – Quail	20-SDMS-02	Fig. 39
08	1	Parallel Groove Compression Connector for 67.44mm2 ACSR/AW (Quail)	20-SDMS-02	Fig. 39
09	14	Machine Bolt, M20x60mm With Nut, 2 Flat Washer & 1 Spring Washer	20-SDMS-02	Fig. 15
10	2	Machine Bolt, M20x225mm With Nut, 2 Flat Washer & 1 Spring Washer	20-SDMS-02	Fig. 15
11	3	Machine Bolt, M20x265mm With Nut, 2 Flat Washer & 1 Spring Washer	20-SDMS-02	Fig. 15
12	1	Strain Clamp, Straight Line Deadend Type for Quail	20-SDMS-02	Fig. 30
13	3	Strain Clamp, 3 U-Bolts Type for Quail	20-SDMS-02	Fig. 29
14	4	Anchor Shackle	20-SDMS-02	Fig. 20
15	3	Clevis Eye Extension	20-SDMS-02	Fig. 21
16	3 Set	Preformed Armoured Rods for 170.5mm2 ASCR/AW (Merlin)	20-SDMS-02	Fig. 38
17a	3	Preformed Line Post Insulator Top Tie for Merlin With Armour	20-SDMS-02	Fig. 35
17b	2	Preformed Line Post Insulator Top Tie for Quail	20-SDMS-02	Fig. 35
18	4	Double Arming Plate, 100x12x700mm	20-SDMS-02	Fig. 07
19	1	Earthwire Support Plate	20-SDMS-02	Fig. 06
20	1	Earthwire Suspension Support	20-SDMS-02	Fig. 05
21	1 Set	Preformed Armoured Rods for 67.44mm2 ASCR/AW (Quail)	20-SDMS-02	Fig. 38
22	2 Set	Phasing Plates (A,B,C)	20-SDMS-02	Fig. 53/54
23	24M	Stay Wire 7/4, 12mm Dia. HDG Steel, UTS 101kN (Min)		
24	1 Set	M.V.-S.C. Two Stay Assembly	20-SDMS-02	Drw. 303
25	1 Set	Danger Sign Plate Complete With Its Accessories	20-SDMS-02	Fig. 49/50
26	15M	Anti-Climbing Device, Barbed Wire	20-SDMS-02	Fig. 13
27	2	Buckle Type, Locking Clip for Barbed Wire	20-SDMS-02	Fig. 13
28	1 Set	Pole Numbering Base Plate	20-SDMS-02	Fig. 51
29	1 Set	Pole Numbering Plates	20-SDMS-02	Fig. 51
		MERLIN MAIN & QUAIL TAP-OFF		

DRW.049B-OC12S, 12M,S.C. TAP-OFF ON INTERMEDIATE 0°-5° STRUC. WITH STAYS FOR MERLIN MAIN & QUAIL TAP-OFF

SERIAL NO.	QTY	BILL OF MATERIALS DESCRIPTION	REFERENCES	
01	1	OC12S – 12 Meter Steel Pole, HDG, Single Circuit	20-SDMS-01	Page 34
02	3	Crossarm – L 100x100x12x2400mm L.G.	20-SDMS-02	Fig. 01
03	3	Brace – L 50x50x4x828mm L.G.	20-SDMS-02	Fig. 04
04	3	Brace – L 50x50x4x828mm L.G. With One End Clipped	20-SDMS-02	Fig. 04
05	5	Line Post Insulator	15-SDMS-01	Clause 4.2.8
06	3 Set	Suspension Insulator	15-SDMS-01	Page 23
07	3	Parallel Groove Compression Connector for Quail-Quail	20-SDMS-02	Fig. 39
08	1	Parallel Groove Compression Connector for 67.44mm2 ACSR/AW (Quail)	20-SDMS-02	Fig. 39
09	14	Machine Bolt, M20x60mm With Nut, 2 Flat Washer & 1 Spring Washer	20-SDMS-02	Fig. 15
10	2	Machine Bolt, M20x225mm With Nut, 2 Flat Washer & 1 Spring Washer	20-SDMS-02	Fig. 15
11	3	Machine Bolt, M20x265mm With Nut, 2 Flat Washer & 1 Spring Washer	20-SDMS-02	Fig. 15
12	1	Strain Clamp, Straight Line Deadend Type for Quail	20-SDMS-02	Fig. 30
13	3	Strain Clamp, 3 U-Bolts Type for Quail	20-SDMS-02	Fig. 29
14	4	Anchor Shackle	20-SDMS-02	Fig. 20
15	3	Clevis Eye Extension	20-SDMS-02	Fig. 21
16	3 Set	Preformed Armoured Rods for 67.44mm2 ASCR/AW (Quail)	20-SDMS-02	Fig. 38
17a	3	Preformed Line Post Insulator Top Tie for Quail With Armour	20-SDMS-02	Fig. 35
17b	2	Preformed Line Post Insulator Top Tie for Quail	20-SDMS-02	Fig. 35
18	4	Double Arming Plate, 100x12x700mm	20-SDMS-02	Fig. 07
19	1	Earthwire Support Plate	20-SDMS-02	Fig. 06
20	1	Earthwire Suspension Support	20-SDMS-02	Fig. 05
21	1 Set	Preformed Armoured Rods for 67.44mm2 ASCR/AW (Quail)	20-SDMS-02	Fig. 38
22	2 Set	Phasing Plates (A,B,C)	20-SDMS-02	Fig. 53/54
23	24M	Stay Wire 7/4, 12mm Dia. HDG Steel, UTS 101kN (Min)		
24	1 Set	M.V.-S.C. Two Stay Assembly	20-SDMS-02	Drw. 301
25	1 Set	Danger Sign Plate Complete With Its Accessories	20-SDMS-02	Fig. 49/50
26	15M	Anti-Climbing Device, Barbed Wire	20-SDMS-02	Fig. 13
27	2	Buckle Type, Locking Clip for Barbed Wire	20-SDMS-02	Fig. 13
28	1 Set	Pole Numbering Base Plate	20-SDMS-02	Fig. 51
29	1 Set	Pole Numbering Plates	20-SDMS-02	Fig. 51
		67.44mm2 ACSR/AW, QUAIL		

DRW.049C-OC12S, 12M, S.C. TAP-OFF ON INTERMEDIATE 0°-5° STRUC. WITH STAYS FOR QUAIL MAIN & QUAIL TAP-OFF

DRW.050-OC12S,12M,S.C. TAP-OFF ON LIGHT ANGLE 6°-15° STURC.W/STAYS

ALL DIMENSIONS ARE IN MILLIMETER

SERIAL NO.	QTY	BILL OF MATERIALS DESCRIPTION	REFERENCES	
01	1	OC12S – 12 Meter Steel Pole, HDG, Single Circuit	20-SDMS-01	Page 34
02	3	Crossarm – L 100x100x12x2400mm L.G.	20-SDMS-02	Fig. 01
03	3	Brace – L 50x50x4x828mm L.G.	20-SDMS-02	Fig. 04
04	3	Brace – L 50x50x4x828mm L.G. With One End Clipped	20-SDMS-02	Fig. 04
05	5	Line Post Insulator	15-SDMS-01	Clause 4.2.8
06	3 Set	Suspension Insulator	15-SDMS-01	Page 23
07	3	Parallel Groove Compression Connector for Merlin-Merlin	20-SDMS-02	Fig. 39
08	1	Parallel Groove Compression Connector for 67.44mm2 ACSR/AW (Quail)	20-SDMS-02	Fig. 39
09	14	Machine Bolt, M20x60mm With Nut, 2 Flat Washer & 1 Spring Washer	20-SDMS-02	Fig. 15
10	2	Machine Bolt, M20x225mm With Nut, 2 Flat Washer & 1 Spring Washer	20-SDMS-02	Fig. 15
11	3	Machine Bolt, M20x265mm With Nut, 2 Flat Washer & 1 Spring Washer	20-SDMS-02	Fig. 15
12	1	Strain Clamp, Straight Line Deadend Type for Quail	20-SDMS-02	Fig. 30
13	3	Strain Clamp, 3 U-Bolts Type for Merlin	20-SDMS-02	Fig. 29
14	4	Anchor Shackle	20-SDMS-02	Fig. 20
15	3	Clevis Eye Extension	20-SDMS-02	Fig. 21
16	3 Set	Preformed Armoured Rods for 170mm2 ACSR/AW (Merlin)	20-SDMS-02	Fig. 38
17	3	Preformed Line Post Insulator Side Tie for Merlin With Armour	20-SDMS-02	Fig. 36
18	2	Preformed Line Post Insulator Top Tie for Merlin	20-SDMS-02	Fig. 35
19	4	Double Arming Plate, 100x12x700mm	20-SDMS-02	Fig. 07
20	1	Earthwire Support Plate	20-SDMS-02	Fig. 06
21	1	Earthwire Suspension Support	20-SDMS-02	Fig. 05
22	1 Set	Preformed Armoured Rods for 67.44mm2 ASCR/AW (Quail)	20-SDMS-02	Fig. 38
23	37M	Stay Wire 7/4, 12mm Dia. HDG Steel, UTS 101kN (Min)		
24	1 Set	M.V.-S.C. One Stay Assembly	20-SDMS-02	Drw. 300
25	1 Set	M.V.-S.C. Two Stay Assembly	20-SDMS-02	Drw. 301
26	2 Set	Phasing Plates (A,B,C)	20-SDMS-02	Fig. 53/54
27	1 Set	Danger Sign Plate Complete With Its Accessories	20-SDMS-02	Fig. 49/50
28	15M	Anti-Climbing Device, Barbed Wire	20-SDMS-02	Fig. 13
29	2	Buckle Type, Locking Clip for Barbed Wire	20-SDMS-02	Fig. 13
30	1 Set	Pole Numbering Base Plate	20-SDMS-02	Fig. 51
31	1 Set	Pole Numbering Plates	20-SDMS-02	Fig. 51
		170.5mm2 ACSR/AW, MERLIN		

DRW.050A-OC12S, 12M, S.C. TAP-OFF ON LIGHT ANGLE STRUCTURE 6°-15° WITH STAYS FOR MERLIN MAIN & MERLIN TAP-OFF

Saudi Electricity Company الشركة السعودية للكهرباء

SEC DISTRIBUTION CONSTRUCTION STANDARDS

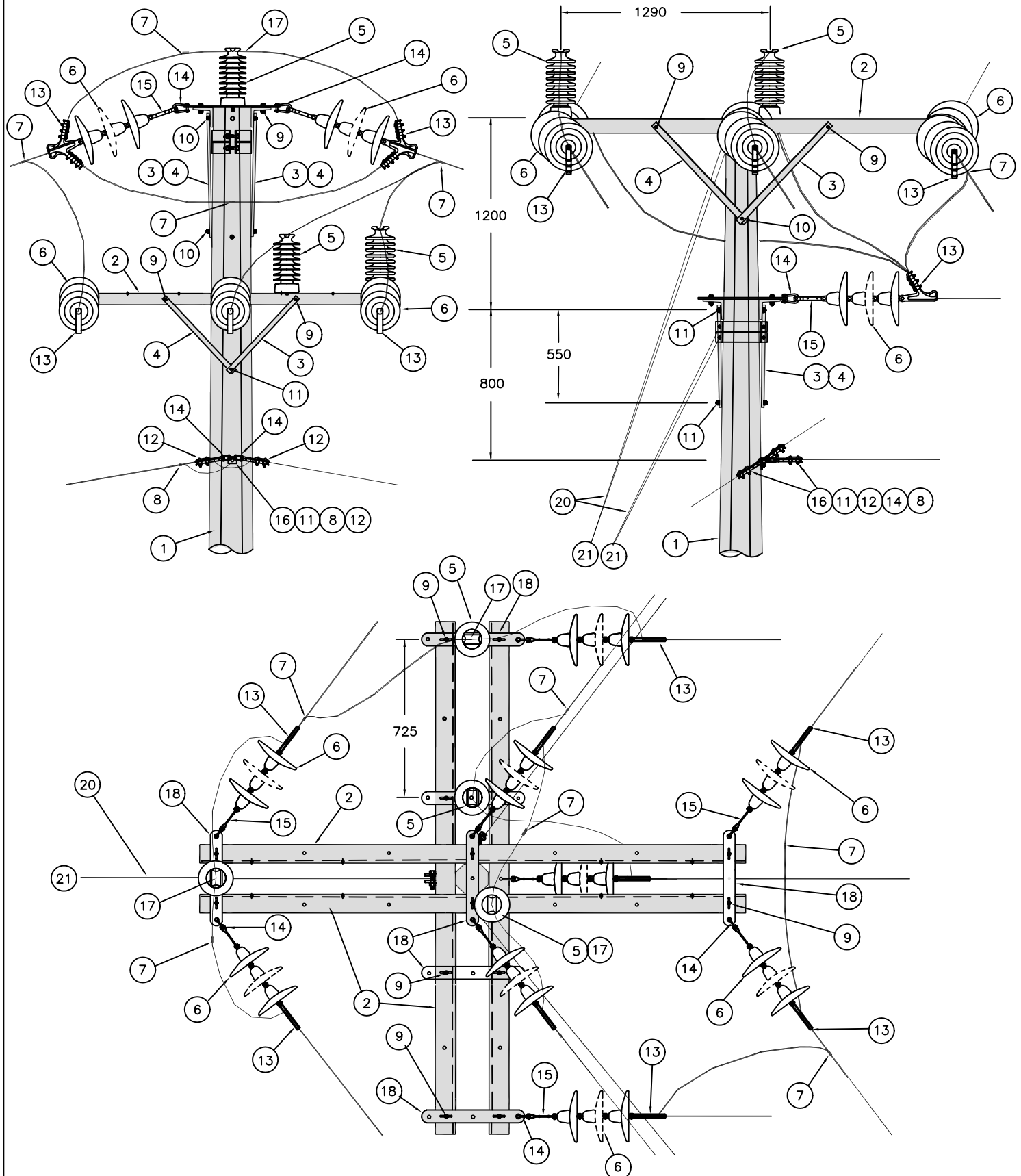
SDCS-01

Dated: NOVEMBER 2004

SERIAL NO.	QTY	BILL OF MATERIALS DESCRIPTION	REFERENCES	
01	1	OC12S - 12 Meter Steel Pole, HDG, Single Circuit	20-SDMS-01	Page 34
02	3	Crossarm - L 100x100x12x2400mm L.G.	20-SDMS-02	Fig. 01
03	3	Brace - L 50x50x4x828mm L.G.	20-SDMS-02	Fig. 04
04	3	Brace - L 50x50x4x828mm L.G. With One End Clipped	20-SDMS-02	Fig. 04
05	5	Line Post Insulator	15-SDMS-01	Clause 4.2.8
06	3 Set	Suspension Insulator	15-SDMS-01	Page 23
07	3	Parallel Groove Compression Connector for Merlin - Quail	20-SDMS-02	Fig. 39
08	1	Parallel Groove Compression Connector for 67.44mm2 ACSR/AW (Quail)	20-SDMS-02	Fig. 39
09	14	Machine Bolt, M20x60mm With Nut, 2 Flat Washer & 1 Spring Washer	20-SDMS-02	Fig. 15
10	2	Machine Bolt, M20x225mm With Nut, 2 Flat Washer & 1 Spring Washer	20-SDMS-02	Fig. 15
11	3	Machine Bolt, M20x265mm With Nut, 2 Flat Washer & 1 Spring Washer	20-SDMS-02	Fig. 15
12	1	Strain Clamp, Straight Line Deadend Type for Quail	20-SDMS-02	Fig. 30
13	3	Strain Clamp, 3 U-Bolts Type for Quail	20-SDMS-02	Fig. 29
14	4	Anchor Shackle	20-SDMS-02	Fig. 20
15	3	Clevis Eye Extension	20-SDMS-02	Fig. 21
16	3 Set	Preformed Armoured Rods for 170mm2 ACSR/AW (Merlin)	20-SDMS-02	Fig. 38
17	3	Preformed Line Post Insulator Side Tie for Merlin With Armour	20-SDMS-02	Fig. 36
18	2	Preformed Line Post Insulator Top Tie for Quail	20-SDMS-02	Fig. 35
19	4	Double Arming Plate, 100x12x700mm	20-SDMS-02	Fig. 7
20	1	Earthwire Support Plate	20-SDMS-02	Fig. 06
21	1	Earthwire Suspension Support	20-SDMS-02	Fig. 05
22	1 Set	Preformed Armoured Rods for 67.44mm2 ASCR/AW (Quail)	20-SDMS-02	Fig. 38
23	37M	Stay Wire 7/4, 12mm Dia. HDG Steel, UTS 101kN (Min)		
24	1 Set	M.V.-S.C. One Stay Assembly	20-SDMS-02	Drw. 300
25	1 Set	M.V.-S.C. Two Stay Assembly	20-SDMS-02	Drw. 301
26	2 Set	Phasing Plates (A,B,C)	20-SDMS-02	Fig. 53/54
27	1 Set	Danger Sign Plate Complete With Its Accessories	20-SDMS-02	Fig. 49&50
28	15M	Anti-Climbing Device, Barbed Wire	20-SDMS-02	Fig. 13
29	2	Buckle Type, Locking Clip for Barbed Wire	20-SDMS-02	Fig. 13
30	1 Set	Pole Numbering Base Plate	20-SDMS-02	Fig. 51
31	1 Set	Pole Numbering Plates	20-SDMS-02	Fig. 51
		MERLIN MAIN & QUAIL TAP-OFF		

DRW.050B-OC12S, 12M, S.C. TAP-OFF ON LIGHT ANGLE STRUCTURE 6°-15° WITH STAYS FOR MERLIN MAIN & QUAIL TAP-OFF

SERIAL NO.	QTY	BILL OF MATERIALS DESCRIPTION	REFERENCES	
01	1	OC12S - 12 Meter Steel Pole, HDG, Single Circuit	20-SDMS-01	Page 34
02	3	Crossarm - L 100x100x12x2400mm L.G.	20-SDMS-02	Fig. 01
03	3	Brace - L 50x50x4x828mm L.G.	20-SDMS-02	Fig. 04
04	3	Brace - L 50x50x4x828mm L.G. With One End Clipped	20-SDMS-02	Fig. 04
05	5	Line Post Insulator	15-SDMS-01	Clause 4.2.8
06	3 Set	Suspension Insulator	15-SDMS-01	Page 23
07	3	Parallel Groove Compression Connector for Quail-Quail	20-SDMS-02	Fig. 39
08	1	Parallel Groove Compression Connector for 67.44mm2 ACSR/AW (Quail)	20-SDMS-02	Fig. 39
09	14	Machine Bolt, M20x60mm With Nut, 2 Flat Washer & 1 Spring Washer	20-SDMS-02	Fig. 15
10	2	Machine Bolt, M20x225mm With Nut, 2 Flat Washer & 1 Spring Washer	20-SDMS-02	Fig. 15
11	3	Machine Bolt, M20x265mm With Nut, 2 Flat Washer & 1 Spring Washer	20-SDMS-02	Fig. 15
12	1	Strain Clamp, Straight Line Deadend Type for Quail	20-SDMS-02	Fig. 30
13	3	Strain Clamp, 3 U-Bolts Type for Quail	20-SDMS-02	Fig. 29
14	4	Anchor Shackle	20-SDMS-02	Fig. 20
15	3	Clevis Eye Extension	20-SDMS-02	Fig. 21
16	3 Set	Preformed Armoured Rods for 67.44mm2 ACSR/AW (Quail)	20-SDMS-02	Fig. 38
17	3	Preformed Line Post Insulator Side Tie for Quail With Armour	20-SDMS-02	Fig. 36
18	2	Preformed Line Post Insulator Top Tie for Quail	20-SDMS-02	Fig. 35
19	4	Double Arming Plate, 100x12x700mm	20-SDMS-02	Fig. 7
20	1	Earthwire Support Plate	20-SDMS-02	Fig. 06
21	1	Earthwire Suspension Support	20-SDMS-02	Fig. 05
22	1 Set	Preformed Armoured Rods for 67.44mm2 ASCR/AW (Quail)	20-SDMS-02	Fig. 38
23	37M	Stay Wire 7/4, 12mm Dia. HDG Steel, UTS 101kN (min)		
24	1 Set	M.V.-S.C. One Stay Assembly	20-SDMS-02	Drw. 300
25	1 Set	M.V.-S.C. Two Stay Assembly	20-SDMS-02	Drw. 301
26	2 Set	Phasing Plates (A,B,C)	20-SDMS-02	Fig. 53/54
27	1 Set	Danger Sign Plate Complete With Its Accessories	20-SDMS-02	Fig. 49/50
28	15M	Anti-Climbing Device, Barbed Wire	20-SDMS-02	Fig. 13
29	2	Buckle Type, Locking Clip for Barbed Wire	20-SDMS-02	Fig. 13
30	1 Set	Pole Numbering Base Plate	20-SDMS-02	Fig. 51
31	1 Set	Pole Numbering Plates	20-SDMS-02	Fig. 51
		67.44mm2 ACSR/AW, QUAIL		

DRW.050C-OC12S, 12M, S.C. TAP-OFF ON LIGHT ANGLE STRUCTURE 6°-15° WITH STAY FOR QUAIL MAIN & QUAIL TAP-OFF

DRW.051-OC12S, 12M, S.C. TAP-OFF ON MEDIUM & HEAVY 16°-90° ANGLE STRUCTURE WITH STAYS

ALL DIMENSIONS ARE IN MILLIMETER

SERIAL NO.	QTY	BILL OF MATERIALS DESCRIPTION	REFERENCES	
01	1	OC12S – 12 Meter Steel Pole, HDG, Single Circuit	20-SDMS-01	Page 34
02	4	Crossarm – L 100x100x12x2400mm L.G.	20-SDMS-02	Fig. 01
03	4	Brace – L 50x50x4x828mm L.G.	20-SDMS-02	Fig. 04
04	4	Brace – L 50x50x4x828mm L.G. With One End Clipped	20-SDMS-02	Fig. 04
05	4	Line Post Insulator	15-SDMS-01	Clause 4.2.8
06	9 Set	Suspension Insulator	15-SDMS-01	Page 23
07	6	Parallel Groove Compression Connector for Merlin-Merlin	20-SDMS-02	Fig. 39
08	2	Parallel Groove Compression Connector for Quail	20-SDMS-02	Fig. 39
09	22	Machine Bolt, M20x60mm With Nut, 2 Flat Washer & 1 Spring Washer	20-SDMS-02	Fig. 15
10	2	Machine Bolt, M20x225mm With Nut, 2 Flat Washer & 1 Spring Washer	20-SDMS-02	Fig. 15
11	3	Machine Bolt, M20x265mm With Nut, 2 Flat Washer & 1 Spring Washer	20-SDMS-02	Fig. 15
12	3	Strain Clamp, Straight Line Deadend Type for Quail	20-SDMS-02	Fig. 30
13	9	Strain Clamp, 3 U-Bolts Type for Merlin	20-SDMS-02	Fig. 29
14	12	Anchor Shackle	20-SDMS-02	Fig. 20
15	9	Clevis Eye Extension	20-SDMS-02	Fig. 21
16	1	Earthwire Suspension Support	20-SDMS-02	Fig. 05
17	4	Preformed Line Post Insulator Top Tie for Merlin	20-SDMS-02	Fig. 35
18	7	Double Arming Plate, 100x12x700mm	20-SDMS-02	Fig. 07
19	2 Set	Phasing Plates (A,B,C)	20-SDMS-02	Fig. 53/54
20	51M	Stay Wire 7/4, 12mm Dia. HDG Steel, UTS 101kN (Min)		
21	2 Set	M.V.-S.C. Two Stay Assembly	20-SDMS-02	Drw. 304
22	1 Set	Danger Sign Plate Complete With Its Accessories	20-SDMS-02	Fig. 49/50
23	15M	Anti-Climbing Device, Barbed Wire	20-SDMS-02	Fig. 13
24	2	Buckle Type, Locking Clip for Barbed Wire	20-SDMS-02	Fig. 13
25	1 Set	Pole Numbering Base Plate	20-SDMS-02	Fig. 51
26	1 Set	Pole Numbering Plates	20-SDMS-02	Fig. 51
		170.5mm2 ACSR/AW, MERLIN		

DRW.051A-OC12S, 12M, S.C.TAP-OFF ON MEDIUM & HEAVY ANGLE 16°-90° WITH STAYS FOR MERLIN MAIN & MERLIN TAP-OFF

SERIAL NO.	QTY	BILL OF MATERIALS DESCRIPTION	REFERENCES	
01	1	OC12S – 12 Meter Steel Pole, HDG, Single Circuit	20-SDMS-01	Page 34
02	4	Crossarm – L 100x100x12x2400mm L.G.	20-SDMS-02	Fig. 01
03	4	Brace – L 50x50x4x828mm L.G.	20-SDMS-02	Fig. 04
04	4	Brace – L 50x50x4x828mm L.G. With One End Clipped	20-SDMS-02	Fig. 04
05	4	Line Post Insulator	15-SDMS-01	Clause 4.2.8
06	9 Set	Suspension Insulator	15-SDMS-01	Page 23
07a	3	Parallel Groove Compression Connector for Merlin – Merlin	20-SDMS-02	Fig. 39
07b	3	Parallel Groove Compression Connector for Merlin – Quail	20-SDMS-02	Fig. 39
08	2	Parallel Groove Comp. Connector for 67.44mm2 ACSR/AW (Quail)	20-SDMS-02	Fig. 39
09	22	Machine Bolt, M20x60mm With Nut, 2 Flat Washer & 1 Spring Washer	20-SDMS-02	Fig. 15
10	2	Machine Bolt, M20x225mm With Nut, 2 Flat Washer & 1 Spring Washer	20-SDMS-02	Fig. 15
11	3	Machine Bolt, M20x265mm With Nut, 2 Flat Washer & 1 Spring Washer	20-SDMS-02	Fig. 15
12	3	Strain Clamp, Straight Line Deadend Type for Quail	20-SDMS-02	Fig. 30
13a	6	Strain Clamp, 3 U-Bolts Type for Merlin	20-SDMS-02	Fig. 29
13b	3	Strain Clamp, 3 U-Bolts Type for Quail	20-SDMS-02	Fig. 29
14	12	Anchor Shackle	20-SDMS-02	Fig. 20
15	9	Clevis Eye Extension	20-SDMS-02	Fig. 21
16	1	Earthwire Suspension Support	20-SDMS-02	Fig. 05
17a	2	Preformed Line Post Insulator Top Tie for Merlin	20-SDMS-02	Fig. 35
17b	2	Preformed Line Post Insulator Top Tie for Quail	20-SDMS-02	Fig. 35
18	7	Double Arming Plate, 100x12x700mm	20-SDMS-02	Fig. 7
19	2 Set	Phasing Plates (A,B,C)	20-SDMS-02	Fig. 53/54
20	51M	Stay Wire 7/4, 12mm Dia. HDG Steel, UTS 101kN (Min)		
21	2 Set	M.V.-S.C. Two Stay Assembly	20-SDMS-02	Drw. 304
22	1 Set	Danger Sign Plate Complete With Its Accessories	20-SDMS-02	Fig. 49/50
23	15M	Anti-Climbing Device, Barbed Wire	20-SDMS-02	Fig. 13
24	2	Buckle Type, Locking Clip for Barbed Wire	20-SDMS-02	Fig. 13
25	1 Set	Pole Numbering Base Plate	20-SDMS-02	Fig. 51
26	1 Set	Pole Numbering Plates	20-SDMS-02	Fig. 51
		MERLIN MAIN & QUAIL TAP-OFF		

DRW.051B-OC12S, 12M, S.C.TAP-OFF ON MEDIUM & HEAVY ANGLE 16°-90° WITH STAYS FOR MERLIN MAIN & QUAIL TAP-OFF

SERIAL NO.	QTY	BILL OF MATERIALS DESCRIPTION	REFERENCES	
01	1	OC12S - 12 Meter Steel Pole, HDG, Single Circuit	20-SDMS-01	Page 34
02	4	Crossarm - L 100x100x12x2400mm L.G.	20-SDMS-02	Fig. 01
03	4	Brace - L 50x50x4x828mm L.G.	20-SDMS-02	Fig. 04
04	4	Brace - L 50x50x4x828mm L.G. With One End Clipped	20-SDMS-02	Fig. 04
05	4	Line Post Insulator	15-SDMS-01	Clause 4.2.8
06	9 Set	Suspension Insulator	15-SDMS-01	Page 23
07	6	Parallel Groove Compression Connector for Quail - Quail	20-SDMS-02	Fig. 39
08	2	Parallel Groove Compression Connector for Quail	20-SDMS-02	Fig. 39
09	22	Machine Bolt, M20x60mm With Nut, 2 Flat Washer & 1 Spring Washer	20-SDMS-02	Fig. 15
10	2	Machine Bolt, M20x225mm With Nut, 2 Flat Washer & 1 Spring Washer	20-SDMS-02	Fig. 15
11	3	Machine Bolt, M20x265mm With Nut, 2 Flat Washer & 1 Spring Washer	20-SDMS-02	Fig. 15
12	3	Strain Clamp, Straight Line Deadend Type for Quail	20-SDMS-02	Fig. 30
13	9	Strain Clamp, 3 U-Bolts Type for Quail	20-SDMS-02	Fig. 29
14	12	Anchor Shackle	20-SDMS-02	Fig. 20
15	9	Clevis Eye Extension	20-SDMS-02	Fig. 21
16	1	Earthwire Suspension Support	20-SDMS-02	Fig. 05
17	4	Preformed Line Post Insulator Top Tie for Quail	20-SDMS-02	Fig. 35
18	7	Double Arming Plate, 100x12x700mm	20-SDMS-02	Fig. 07
19	2 Set	Phasing Plates (A,B,C)	20-SDMS-02	Fig. 53/54
20	51M	Stay Wire 7/4 , 12mm Dia. HDG Steel, UTS 101kN (Min)		
21	2 Set	M.V.-S.C. Two Stay Assembly	20-SDMS-02	Drw. 304
22	1 Set	Danger Sign Plate Complete With Its Accessories	20-SDMS-02	Fig. 49/50
23	15M	Anti-Climbing Device, Barbed Wire	20-SDMS-02	Fig. 13
24	2	Buckle Type, Locking Clip for Barbed Wire	20-SDMS-02	Fig. 13
25	1 Set	Pole Numbering Base Plate	20-SDMS-02	Fig. 51
26	1 Set	Pole Numbering Plates	20-SDMS-02	Fig. 51
		67.44mm2 ACSR/AW, QUAIL		

DRW.051C-OC12S, 12M, S.C.TAP-OFF ON MEDIUM & HEAVY ANGLE 16°-90° WITH STAYS FOR QUAIL MAIN & QUAIL TAP-OFF

DRW.052-OC12S, 12M, SINGLE CIRCUIT, SLACK POLE STRUC. WITH STAYS FROM SINGLE CIRCUIT TAP-OFF

ALL DIMENSIONS ARE IN MILLIMETER

Saudi Electricity Company الشركة السعودية للكهرباء

SEC DISTRIBUTION CONSTRUCTION STANDARDS

SDCS-01

Dated: NOVEMBER 2004

SERIAL NO.	QTY	BILL OF MATERIALS DESCRIPTION	REFERENCES	
01	1	OC12S - 12 Meter Steel Pole, HDG, Single Circuit	20-SDMS-01	Page 34
02	2	Crossarm - L 100x100x12x2400mm L.G.	20-SDMS-02	Fig. 01
03	2	Brace - L 50x50x4x828mm L.G.	20-SDMS-02	Fig. 04
04	2	Brace - L 50x50x4x828mm L.G. With One End Clipped	20-SDMS-02	Fig. 04
05	1	Line Post Insulator	15-SDMS-01	Clause 4.2.8
06	6 Set	Suspension Insulator	15-SDMS-01	Page 23
07	10	Machine Bolt, M20x60mm W/1 Nut, 2 Flat Washers & 1 Spring Washer	20-SDMS-02	Fig. 15
08	2	Machine Bolt, M20x225mm W/1 Nut, 2 Flat Washers & 1 Spring Washer	20-SDMS-02	Fig. 15
09	3	Parallel Groove Comp. Connector for 170.5mm2 ACSR/AW (Merlin)	20-SDMS-02	Fig. 39
10	1	Parallel Groove Comp. Connector for 67.44mm2 ACSR/AW (Quail)	20-SDMS-02	Fig. 39
11	2	Strain Clamp, Straight Line Deadend Type for Quail	20-SDMS-02	Fig. 30
12	6	Strain Clamp, 3 U-Bolts Type for Merlin	20-SDMS-02	Fig. 29
13	6	Anchor Shackle	20-SDMS-02	Fig. 20
14	6	Clevis Eye Extension	20-SDMS-02	Fig. 21
15	1	Shoulder Eye Bolt, M20x260mm W/2 Nuts, 1 Flat & 1 Spring Washers	20-SDMS-02	Fig. 17
16	1	Preformed Line Post Insulator Top Tie For 170.5mm2 ACSR/AW (Merlin)	20-SDMS-02	Fig. 35
17	3	Double Arming Plate, 100x12x700mm	20-SDMS-02	Fig. 07
18	1	Eye Nut For M20	20-SDMS-02	Fig. 19
19	27M	Stay Wire 7/4, 12mm Dia. HDG Steel, UTS 101kN (Min)		
20	1 Set	M.V.-S.C. Two Stay Assembly	20-SDMS-02	Drw. 303
21	1 Set	Danger Sign Plate Complete With Its Accessories	20-SDMS-02	Fig. 49/50
22	15M	Anti-Climbing Device, Barbed Wire	20-SDMS-02	Fig. 13
23	2	Buckle Type, Locking Clip for Barbed Wire	20-SDMS-02	Fig. 13
24	1 Set	Pole Numbering Base Plate	20-SDMS-02	Fig. 51
25	1 Set	Pole Numbering Plates	20-SDMS-02	Fig. 51
		170.5mm2 ACSR/AW, MERLIN		

DRW.052A-OC12S, 12M, SINGLE CIRCUIT, SLACK POLE STRUC. WITH STAYS FROM SINGLE CIRCUIT TAP-OFF (MERLIN MAIN)

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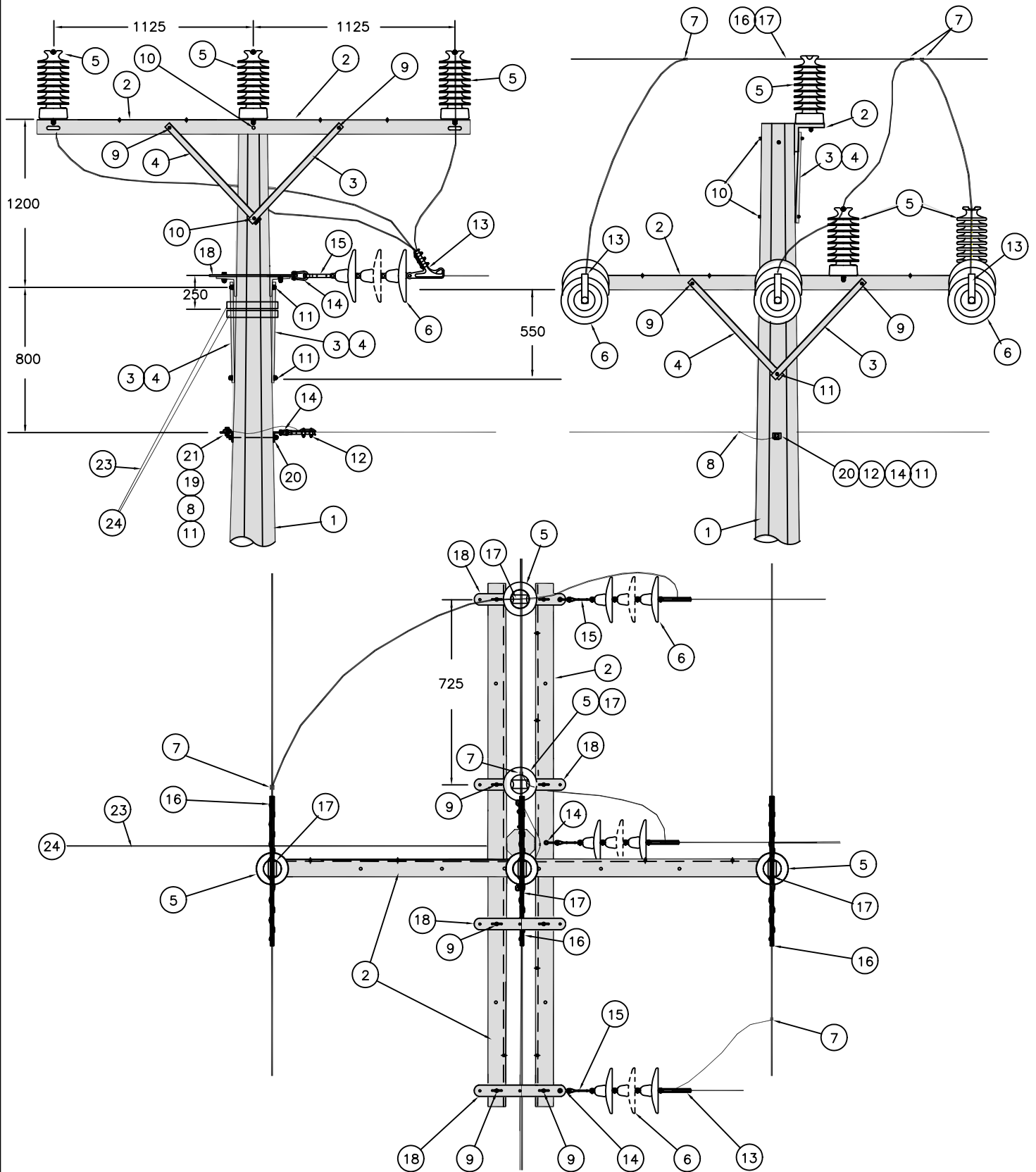
SEC DISTRIBUTION CONSTRUCTION STANDARDS

SDCS-01

Dated: NOVEMBER 2004

SERIAL NO.	QTY	BILL OF MATERIALS DESCRIPTION	REFERENCES	
01	1	OC12S - 12 Meter Steel Pole, HDG, Single Circuit	20-SDMS-01	Page 34
02	2	Crossarm - L 100x100x12x2400mm L.G.	20-SDMS-02	Fig. 01
03	2	Brace - L 50x50x4x828mm L.G.	20-SDMS-02	Fig. 04
04	2	Brace - L 50x50x4x828mm L.G. With One End Clipped	20-SDMS-02	Fig. 04
05	1	Line Post Insulator	15-SDMS-01	Clause 4.2.8
06	6 Set	Suspension Insulator	15-SDMS-01	Page 23
07	10	Machine Bolt, M20x60mm W/1 Nut, 2 Flat Washers & 1 Spring Washer	20-SDMS-02	Fig. 15
08	2	Machine Bolt, M20x225mm W/1 Nut, 2 Flat Washers & 1 Spring Washer	20-SDMS-02	Fig. 15
09	3	Parallel Groove Comp. Connector for 67.44mm2 ACSR/AW (Quail)	20-SDMS-02	Fig. 39
10	1	Parallel Groove Comp. Connector for 67.44mm2 ACSR/AW (Quail)	20-SDMS-02	Fig. 39
11	2	Strain Clamp, Straight Line Deadend Type for Quail	20-SDMS-02	Fig. 30
12	6	Strain Clamp, 3 U-Bolts Type for Quail	20-SDMS-02	Fig. 29
13	6	Anchor Shackle	20-SDMS-02	Fig. 20
14	6	Clevis Eye Extension	20-SDMS-02	Fig. 21
15	1	Shoulder Eye Bolt, M20x260mm W/2 Nuts, 1 Flat & 1 Spring Washers	20-SDMS-02	Fig. 17
16	1	Preformed Line Post Insulator Top Tie For 67.4mm2 ACSR/AW (Quail)	20-SDMS-02	Fig. 35
17	3	Double Arming Plate, 100x12x700mm	20-SDMS-02	Fig. 7
18	1	Eye Nut For M20	20-SDMS-02	Fig. 19
19	27M	Stay Wire 7/4, 12mm Dia. HDG Steel, UTS 101kN (Min)		
20	1 Set	M.V.-S.C. Two Stay Assembly	20-SDMS-02	Drw. 303
21	1 Set	Danger Sign Plate Complete With Its Accessories	20-SDMS-02	Fig. 49/50
22	15M	Anti-Climbing Device, Barbed Wire	20-SDMS-02	Fig. 13
23	2	Buckle Type, Locking Clip for Barbed Wire	20-SDMS-02	Fig. 13
24	1 Set	Pole Numbering Base Plate	20-SDMS-02	Fig. 51
25	1 Set	Pole Numbering Plates	20-SDMS-02	Fig. 51
		67.44mm2 ACSR/AW, QUAIL		

DRW.052B-OC12S, 12M, SINGLE CIRCUIT, SLACK POLE STRUC. WITH STAYS FROM SINGLE CIRCUIT TAP-OFF (QUAIL MAIN)

DRW.053−OC13S,13M, S.C.TAP−OFF ON INTERMEDIATE 0°−5° STRUC. W/STAYS

ALL DIMENSIONS ARE IN MILLIMETER

Saudi Electricity Company الشركة السعودية للكهرباء

SEC DISTRIBUTION CONSTRUCTION STANDARDS

SDCS–01

Dated: NOVEMBER 2004

SERIAL NO.	QTY	BILL OF MATERIALS DESCRIPTION	REFERENCES	
01	1	OC13S – 13 Meter Steel Pole, HDG, Single Circuit	20–SDMS–01	Page 35
02	3	Crossarm – L 100x100x12x2400mm L.G.	20–SDMS–02	Fig. 01
03	3	Brace – L 50x50x4x828mm L.G.	20–SDMS–02	Fig. 04
04	3	Brace – L 50x50x4x828mm L.G. With One End Clipped	20–SDMS–02	Fig. 04
05	5	Line Post Insulator	15–SDMS–01	Clause 4.2.8
06	3 Set	Suspension Insulator	15–SDMS–01	Page 23
07	3	Parallel Groove Compression Connector for Merlin–Merlin	20–SDMS–02	Fig. 39
08	1	Parallel Groove Compression Connector for 67.44mm2 ACSR/AW (Quail)	20–SDMS–02	Fig. 39
09	14	Machine Bolt, M20x60mm With Nut, 2 Flat Washer & 1 Spring Washer	20–SDMS–02	Fig. 15
10	2	Machine Bolt, M20x225mm With Nut, 2 Flat Washer & 1 Spring Washer	20–SDMS–02	Fig. 15
11	3	Machine Bolt, M20x265mm With Nut, 2 Flat Washer & 1 Spring Washer	20–SDMS–02	Fig. 15
12	1	Strain Clamp, Straight Line Deadend Type for Quail	20–SDMS–02	Fig. 30
13	3	Strain Clamp, 3 U–Bolts Type for Merlin	20–SDMS–02	Fig. 29
14	4	Anchor Shackle	20–SDMS–02	Fig. 20
15	3	Clevis Eye Extension	20–SDMS–02	Fig. 21
16	3 Set	Preformed Armoured Rods for 170.5mm2 ASCR/AW (Merlin)	20–SDMS–02	Fig. 38
17a	3	Preformed Line Post Insulator Top Tie for Merlin With Armour	20–SDMS–02	Fig. 35
17b	2	Preformed Line Post Insulator Top Tie for Merlin	20–SDMS–02	Fig. 35
18	4	Double Arming Plate, 100x12x700mm	20–SDMS–02	Fig. 07
19	1	Earthwire Support Plate	20–SDMS–02	Fig. 06
20	1	Earthwire Suspension Support	20–SDMS–02	Fig. 05
21	1 Set	Preformed Armoured Rods for 67.44mm2 ASCR/AW (Quail)	20–SDMS–02	Fig. 38
22	2 Set	Phasing Plates (A,B,C)	20–SDMS–02	Fig. 53/54
23	26M	Stay Wire 7/4, 12mm Dia. HDG Steel, UTS 101kN (Min)		
24	1 Set	M.V.–S.C. Two Stay Assembly	20–SDMS–02	Drw. 301
25	1 Set	Danger Sign Plate Complete With Its Accessories	20–SDMS–02	Fig. 49/50
26	16M	Anti–Climbing Device, Barbed Wire	20–SDMS–02	Fig. 13
27	2	Buckle Type, Locking Clip for Barbed Wire	20–SDMS–02	Fig. 13
28	1 Set	Pole Numbering Base Plates	20–SDMS–02	Fig. 51
29	1 Set	Pole Numbering Plates	20–SDMS–02	Fig. 51
		170.5mm2 ACSR/AW, MERLIN		

DRW.053A–OC13S, 13M, S.C. TAP–OFF ON INTERMEDIATE 0°–5° STRUC. WITH STAYS FOR MERLIN MAIN & MERLIN TAP–OFF

SERIAL NO.	QTY	BILL OF MATERIALS DESCRIPTION	REFERENCES	
01	1	OC13S – 13 Meter Steel Pole, HDG, Single Circuit	20-SDMS-01	Page 35
02	3	Crossarm – L 100x100x12x2400mm L.G.	20-SDMS-02	Fig. 01
03	3	Brace – L 50x50x4x828mm L.G.	20-SDMS-02	Fig. 04
04	3	Brace – L 50x50x4x828mm L.G. With One End Clipped	20-SDMS-02	Fig. 04
05	5	Line Post Insulator	15-SDMS-01	Clause 4.2.8
06	3 Set	Suspension Insulator	15-SDMS-01	Page 23
07	3	Parallel Groove Compression Connector for Merlin – Quail	20-SDMS-02	Fig. 39
08	1	Parallel Groove Compression Connector for 67.44mm2 ACSR/AW (Quail)	20-SDMS-02	Fig. 39
09	14	Machine Bolt, M20x60mm With Nut, 2 Flat Washer & 1 Spring Washer	20-SDMS-02	Fig. 15
10	2	Machine Bolt, M20x225mm With Nut, 2 Flat Washer & 1 Spring Washer	20-SDMS-02	Fig. 15
11	3	Machine Bolt, M20x265mm With Nut, 2 Flat Washer & 1 Spring Washer	20-SDMS-02	Fig. 15
12	1	Strain Clamp, Straight Line Deadend Type for Quail	20-SDMS-02	Fig. 30
13	3	Strain Clamp, 3 U-Bolts Type for Quail	20-SDMS-02	Fig. 29
14	4	Anchor Shackle	20-SDMS-02	Fig. 20
15	3	Clevis Eye Extension	20-SDMS-02	Fig. 21
16	3 Set	Preformed Armoured Rods for 170.5mm2 ASCR/AW (Merlin)	20-SDMS-02	Fig. 38
17a	3	Preformed Line Post Insulator Top Tie for Merlin With Armour	20-SDMS-02	Fig. 35
17b	2	Preformed Line Post Insulator Top Tie for Quail	20-SDMS-02	Fig. 35
18	4	Double Arming Plate, 100x12x700mm	20-SDMS-02	Fig. 07
19	1	Earthwire Support Plate	20-SDMS-02	Fig. 06
20	1	Earthwire Suspension Support	20-SDMS-02	Fig. 05
21	1 Set	Preformed Armoured Rods for 67.44mm2 ASCR/AW (Quail)	20-SDMS-02	Fig. 38
22	2 Set	Phasing Plates (A,B,C)	20-SDMS-02	Fig. 53/54
23	26M	Stay Wire 7/4, 12mm Dia. HDG Steel, UTS 101kN (Min)		
24	1 Set	M.V.-S.C. Two Stay Assembly	20-SDMS-02	Drw. 301
25	1 Set	Danger Sign Plate Complete With Its Accessories	20-SDMS-02	Fig. 49/50
26	16M	Anti-Climbing Device, Barbed Wire	20-SDMS-02	Fig. 13
27	2	Buckle Type, Locking Clip for Barbed Wire	20-SDMS-02	Fig. 13
28	1 Set	Pole Numbering Base Plate	20-SDMS-02	Fig. 51
29	1 Set	Pole Numbering Plates	20-SDMS-02	Fig. 51
		MERLIN MAIN & QUAIL TAP-OFF		

DRW.053B-OC13S, 12M,S.C. TAP-OFF ON INTERMEDIATE 0°-5° STRUC. WITH STAYS FOR MERLIN MAIN & QUAIL TAP-OFF

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SEC DISTRIBUTION CONSTRUCTION STANDARDS

SDCS-01

Dated: 24-06-2003

SERIAL NO.	QTY	BILL OF MATERIALS DESCRIPTION	REFERENCES	
01	1	OC13S – 13 Meter Steel Pole, HDG, Single Circuit	20-SDMS-01	Page 35
02	3	Crossarm – L 100x100x12x2400mm L.G.	20-SDMS-02	Fig. 01
03	3	Brace – L 50x50x4x828mm L.G.	20-SDMS-02	Fig. 04
04	3	Brace – L 50x50x4x828mm L.G. With One End Clipped	20-SDMS-02	Fig. 04
05	5	Line Post Insulator	15-SDMS-01	Clause 4.2.8
06	3 Set	Suspension Insulator	15-SDMS-01	Page 23
07	3	Parallel Groove Compression Connector for Quail-Quail	20-SDMS-02	Fig. 39
08	1	Parallel Groove Compression Connector for 67.44mm2 ACSR/AW (Quail)	20-SDMS-02	Fig. 39
09	14	Machine Bolt, M20x60mm With Nut, 2 Flat Washer & 1 Spring Washer	20-SDMS-02	Fig. 15
10	2	Machine Bolt, M20x225mm With Nut, 2 Flat Washer & 1 Spring Washer	20-SDMS-02	Fig. 15
11	3	Machine Bolt, M20x265mm With Nut, 2 Flat Washer & 1 Spring Washer	20-SDMS-02	Fig. 15
12	1	Strain Clamp, Straight Line Deadend Type for Quail	20-SDMS-02	Fig. 30
13	3	Strain Clamp, 3 U-Bolts Type for Quail	20-SDMS-02	Fig. 29
14	4	Anchor Shackle	20-SDMS-02	Fig. 20
15	3	Clevis Eye Extension	20-SDMS-02	Fig. 21
16	3 Set	Preformed Armoured Rods for 67.44mm2 ASCR/AW (Quail)	20-SDMS-02	Fig. 38
17a	3	Preformed Line Post Insulator Top Tie for Quail With Armour	20-SDMS-02	Fig. 35
17b	2	Preformed Line Post Insulator Top Tie for Quail	20-SDMS-02	Fig. 35
18	4	Double Arming Plate, 100x12x700mm	20-SDMS-02	Fig. 07
19	1	Earthwire Support Plate	20-SDMS-02	Fig. 06
20	1	Earthwire Suspension Support	20-SDMS-02	Fig. 05
21	1 Set	Preformed Armoured Rods for 67.44mm2 ASCR/AW (Quail)	20-SDMS-02	Fig. 38
22	2 Set	Phasing Plates (A,B,C)	20-SDMS-02	Fig. 53/54
23	26M	Stay Wire 7/4, 12mm Dia. HDG Steel, UTS 101kN (Min)		
24	1 Set	M.V.-S.C. Two Stay Assembly	20-SDMS-02	Drw. 301
25	1 Set	Danger Sign Plate Complete With Its Accessories	20-SDMS-02	Fig. 49/50
26	16M	Anti-Climbing Device, Barbed Wire	20-SDMS-02	Fig. 13
27	2	Buckle Type, Locking Clip for Barbed Wire	20-SDMS-02	Fig. 13
28	1 Set	Pole Numbering Base Plate	20-SDMS-02	Fig. 51
29	1 Set	Pole Numbering Plates	20-SDMS-02	Fig. 51
		67.44mm2 ACSR/AW, QUAIL		

DRW.053C-OC13S, 13M, S.C. TAP-OFF ON INTERMEDIATE 0°-5° STRUC. WITH STAYS FOR QUAIL MAIN & QUAIL TAP-OFF

1125 1125 250 1200 800 550

DRW.054−OC13S,13M,S.C. TAP−OFF ON LIGHT ANGLE 6°−15° STURC.W/STAYS

ALL DIMENSIONS ARE IN MILLIMETER

SERIAL NO.	QTY	BILL OF MATERIALS DESCRIPTION	REFERENCES	
01	1	OC13S – 13 Meter Steel Pole, HDG, Single Circuit	20-SDMS-01	Page 35
02	3	Crossarm – L 100x100x12x2400mm L.G.	20-SDMS-02	Fig. 01
03	3	Brace – L 50x50x4x828mm L.G.	20-SDMS-02	Fig. 04
04	3	Brace – L 50x50x4x828mm L.G. With One End Clipped	20-SDMS-02	Fig. 04
05	5	Line Post Insulator	15-SDMS-01	Clause 4.2.8
06	3 Set	Suspension Insulator	15-SDMS-01	Page 23
07	3	Parallel Groove Compression Connector for Merlin-Merlin	20-SDMS-02	Fig. 39
08	1	Parallel Groove Compression Connector for 67.44mm2 ACSR/AW (Quail)	20-SDMS-02	Fig. 39
09	14	Machine Bolt, M20x60mm With Nut, 2 Flat Washer & 1 Spring Washer	20-SDMS-02	Fig. 15
10	2	Machine Bolt, M20x225mm With Nut, 2 Flat Washer & 1 Spring Washer	20-SDMS-02	Fig. 15
11	3	Machine Bolt, M20x265mm With Nut, 2 Flat Washer & 1 Spring Washer	20-SDMS-02	Fig. 15
12	1	Strain Clamp, Straight Line Deadend Type for Quail	20-SDMS-02	Fig. 30
13	3	Strain Clamp, 3 U-Bolts Type for Merlin	20-SDMS-02	Fig. 29
14	4	Anchor Shackle	20-SDMS-02	Fig. 20
15	3	Clevis Eye Extension	20-SDMS-02	Fig. 21
16	3 Set	Preformed Armoured Rods for 170mm2 ACSR/AW (Merlin)	20-SDMS-02	Fig. 38
17	3	Preformed Line Post Insulator Side Tie for Merlin With Armour	20-SDMS-02	Fig. 36
18	2	Preformed Line Post Insulator Top Tie for Merlin	20-SDMS-02	Fig. 35
19	4	Double Arming Plate, 100x12x700mm	20-SDMS-02	Fig. 7
20	1	Earthwire Support Plate	20-SDMS-02	Fig. 06
21	1	Earthwire Suspension Support	20-SDMS-02	Fig. 05
22	1 Set	Preformed Armoured Rods for 67.44mm2 ASCR/AW (Quail)	20-SDMS-02	Fig. 38
23	41M	Stay Wire 7/4, 12mm Dia. HDG Steel, UTS 101kN (Min)		
24	1 Set	M.V.-S.C. One Stay Assembly	20-SDMS-02	Drw. 300
25	1 Set	M.V.-S.C. Two Stay Assembly	20-SDMS-02	Drw. 301
26	2 Set	Phasing Plates (A,B,C)	20-SDMS-02	Fig. 53/54
27	1 Set	Danger Sign Plate Complete With Its Accessories	20-SDMS-02	Fig. 49/50
28	16M	Anti-Climbing Device, Barbed Wire	20-SDMS-02	Fig. 13
29	2	Buckle Type, Locking Clip for Barbed Wire	20-SDMS-02	Fig. 13
30	1 Set	Pole Numbering Base Plate	20-SDMS-02	Fig. 51
31	1 Set	Pole Numbering Plates	20-SDMS-02	Fig. 51
		170.5mm2 ACSR/AW, MERLIN		

DRW.054A-OC13S, 13M, S.C. TAP-OFF ON LIGHT ANGLE STRUCTURE 6°-15° WITH STAYS FOR MERLIN MAIN & MERLIN TAP-OFF

SERIAL NO.	QTY	BILL OF MATERIALS DESCRIPTION	REFERENCES	
01	1	OC13S – 13 Meter Steel Pole, HDG, Single Circuit	20-SDMS-01	Page 35
02	3	Crossarm – L 100x100x12x2400mm L.G.	20-SDMS-02	Fig. 01
03	3	Brace – L 50x50x4x828mm L.G.	20-SDMS-02	Fig. 04
04	3	Brace – L 50x50x4x828mm L.G. With One End Clipped	20-SDMS-02	Fig. 04
05	5	Line Post Insulator	15-SDMS-01	Clause 4.2.8
06	3 Set	Suspension Insulator	15-SDMS-01	Page 23
07	3	Parallel Groove Compression Connector for Merlin – Quail	20-SDMS-02	Fig. 39
08	1	Parallel Groove Compression Connector for 67.44mm2 ACSR/AW (Quail)	20-SDMS-02	Fig. 39
09	14	Machine Bolt, M20x60mm With Nut, 2 Flat Washer & 1 Spring Washer	20-SDMS-02	Fig. 15
10	2	Machine Bolt, M20x225mm With Nut, 2 Flat Washer & 1 Spring Washer	20-SDMS-02	Fig. 15
11	3	Machine Bolt, M20x265mm With Nut, 2 Flat Washer & 1 Spring Washer	20-SDMS-02	Fig. 15
12	1	Strain Clamp, Straight Line Deadend Type for Quail	20-SDMS-02	Fig. 30
13	3	Strain Clamp, 3 U-Bolts Type for Quail	20-SDMS-02	Fig. 29
14	4	Anchor Shackle	20-SDMS-02	Fig. 20
15	3	Clevis Eye Extension	20-SDMS-02	Fig. 21
16	3 Set	Preformed Armoured Rods for 170mm2 ACSR/AW (Merlin)	20-SDMS-02	Fig. 38
17	3	Preformed Line Post Insulator Side Tie for Merlin With Armour	20-SDMS-02	Fig. 36
18	2	Preformed Line Post Insulator Top Tie for Quail	20-SDMS-02	Fig. 35
19	4	Double Arming Plate, 100x12x700mm	20-SDMS-02	Fig. 7
20	1	Earthwire Support Plate	20-SDMS-02	Fig. 06
21	1	Earthwire Suspension Support	20-SDMS-02	Fig. 05
22	1 Set	Preformed Armoured Rods for 67.44mm2 ASCR/AW (Quail)	20-SDMS-02	Fig. 38
23	41M	Stay Wire 7/4, 12mm Dia. HDG Steel, UTS 101kN (Min)		
24	1 Set	M.V.-S.C. One Stay Assembly	20-SDMS-02	Drw. 300
25	1 Set	M.V.-S.C. Two Stay Assembly	20-SDMS-02	Drw. 301
26	2 Set	Phasing Plates (A,B,C)	20-SDMS-02	Fig. 53/54
27	1 Set	Danger Sign Plate Complete With Its Accessories	20-SDMS-02	Fig. 49&50
28	16M	Anti-Climbing Device, Barbed Wire	20-SDMS-02	Fig. 13
29	2	Buckle Type, Locking Clip for Barbed Wire	20-SDMS-02	Fig. 13
30	1 Set	Pole Numbering Base Plate	20-SDMS-02	Fig. 51
31	1 Set	Pole Numbering Plates	20-SDMS-02	Fig. 51
		MERLIN MAIN & QUAIL TAP-OFF		

DRW.054B-OC13S, 13M, S.C. TAP-OFF ON LIGHT ANGLE STRUCTURE 6°-15° WITH STAYS FOR MERLIN MAIN & QUAIL TAP-OFF

SERIAL NO.	QTY	BILL OF MATERIALS DESCRIPTION	REFERENCES	
01	1	OC13S – 13 Meter Steel Pole, HDG, Single Circuit	20-SDMS-01	Page 35
02	3	Crossarm – L 100x100x12x2400mm L.G.	20-SDMS-02	Fig. 01
03	3	Brace – L 50x50x4x828mm L.G.	20-SDMS-02	Fig. 04
04	3	Brace – L 50x50x4x828mm L.G. With One End Clipped	20-SDMS-02	Fig. 04
05	5	Line Post Insulator	15-SDMS-01	Clause 4.2.8
06	3 Set	Suspension Insulator	15-SDMS-01	Page 23
07	3	Parallel Groove Compression Connector for Quail-Quail	20-SDMS-02	Fig. 39
08	1	Parallel Groove Compression Connector for 67.44mm2 ACSR/AW (Quail)	20-SDMS-02	Fig. 39
09	14	Machine Bolt, M20x60mm With Nut, 2 Flat Washer & 1 Spring Washer	20-SDMS-02	Fig. 15
10	2	Machine Bolt, M20x225mm With Nut, 2 Flat Washer & 1 Spring Washer	20-SDMS-02	Fig. 15
11	3	Machine Bolt, M20x265mm With Nut, 2 Flat Washer & 1 Spring Washer	20-SDMS-02	Fig. 15
12	1	Strain Clamp, Straight Line Deadend Type for Quail	20-SDMS-02	Fig. 30
13	3	Strain Clamp, 3 U-Bolts Type for Quail	20-SDMS-02	Fig. 29
14	4	Anchor Shackle	20-SDMS-02	Fig. 20
15	3	Clevis Eye Extension	20-SDMS-02	Fig. 21
16	3 Set	Preformed Armoured Rods for 67.44mm2 ACSR/AW (Quail)	20-SDMS-02	Fig. 38
17	3	Preformed Line Post Insulator Side Tie for Quail With Armour	20-SDMS-02	Fig. 36
18	2	Preformed Line Post Insulator Top Tie for Quail	20-SDMS-02	Fig. 35
19	4	Double Arming Plate, 100x12x700mm	20-SDMS-02	Fig. 07
20	1	Earthwire Support Plate	20-SDMS-02	Fig. 06
21	1	Earthwire Suspension Support	20-SDMS-02	Fig. 05
22	1 Set	Preformed Armoured Rods for 67.44mm2 ASCR/AW (Quail)	20-SDMS-02	Fig. 38
23	41M	Stay Wire 7/4, 12mm Dia. HDG Steel, UTS 101kN (Min)		
24	1 Set	M.V.-S.C. One Stay Assembly	20-SDMS-02	Drw. 300
25	1 Set	M.V.-S.C. Two Stay Assembly	20-SDMS-02	Drw. 301
26	2 Set	Phasing Plates (A,B,C)	20-SDMS-02	Fig. 53/54
27	1 Set	Danger Sign Plate Complete With Its Accessories	20-SDMS-02	Fig. 49/50
28	16M	Anti-Climbing Device, Barbed Wire	20-SDMS-02	Fig. 13
29	2	Buckle Type, Locking Clip for Barbed Wire	20-SDMS-02	Fig. 13
30	1 Set	Pole Numbering Base Plate	20-SDMS-02	Fig. 51
31	1 Set	Pole Numbering Plates	20-SDMS-02	Fig. 51
		67.44mm2 ACSR/AW, QUAIL		

DRW.054C-OC13S, 13M, S.C. TAP-OFF ON LIGHT ANGLE STRUCTURE 6°-15° WITH STAY FOR QUAIL MAIN & QUAIL TAP-OFF

DRW.055-OC13S, 13M, S.C. TAP-OFF ON MEDIUM & HEAVY 16°-90° ANGLE STRUCTURE WITH STAYS

ALL DIMENSIONS ARE IN MILLIMETER

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SEC DISTRIBUTION CONSTRUCTION STANDARDS

SDCS-01

Dated: 24-06-2003

SERIAL NO.	QTY	BILL OF MATERIALS DESCRIPTION	REFERENCES	
01	1	OC13S – 13 Meter Steel Pole, HDG, Single Circuit	20-SDMS-01	Page 35
02	4	Crossarm – L 100x100x12x2400mm L.G.	20-SDMS-02	Fig. 01
03	4	Brace – L 50x50x4x828mm L.G.	20-SDMS-02	Fig. 04
04	4	Brace – L 50x50x4x828mm L.G. With One End Clipped	20-SDMS-02	Fig. 04
05	4	Line Post Insulator	15-SDMS-01	Clause 4.2.8
06	9 Set	Suspension Insulator	15-SDMS-01	Page 23
07	6	Parallel Groove Compression Connector for Merlin-Merlin	20-SDMS-02	Fig. 39
08	2	Parallel Groove Compression Connector for Quail	20-SDMS-02	Fig. 39
09	22	Machine Bolt, M20x60mm With Nut, 2 Flat Washer & 1 Spring Washer	20-SDMS-02	Fig. 15
10	2	Machine Bolt, M20x225mm With Nut, 2 Flat Washer & 1 Spring Washer	20-SDMS-02	Fig. 15
11	3	Machine Bolt, M20x265mm With Nut, 2 Flat Washer & 1 Spring Washer	20-SDMS-02	Fig. 15
12	3	Strain Clamp, Straight Line Deadend Type for Quail	20-SDMS-02	Fig. 30
13	9	Strain Clamp, 3 U-Bolts Type for Merlin	20-SDMS-02	Fig. 29
14	12	Anchor Shackle	20-SDMS-02	Fig. 20
15	9	Clevis Eye Extension	20-SDMS-02	Fig. 21
16	1	Earthwire Suspension Support	20-SDMS-02	Fig. 05
17	4	Preformed Line Post Insulator Top Tie for Merlin	20-SDMS-02	Fig. 35
18	7	Double Arming Plate, 100x12x700mm	20-SDMS-02	Fig. 07
19	2 Set	Phasing Plates (A,B,C)	20-SDMS-02	Fig. 53/54
20	56M	Stay Wire 7/4, 12mm Dia. HDG Steel, UTS 101kN (Min)		
21	2 Set	M.V.-S.C. Two Stay Assembly	20-SDMS-02	Drw. 304
22	1 Set	Danger Sign Plate Complete With Its Accessories	20-SDMS-02	Fig. 49&50
23	16M	Anti-Climbing Device, Barbed Wire	20-SDMS-02	Fig. 13
24	2	Buckle Type, Locking Clip for Barbed Wire	20-SDMS-02	Fig. 13
25	1 Set	Pole Numbering Base Plate	20-SDMS-02	Fig. 51
26	1 Set	Pole Numbering Plates	20-SDMS-02	Fig. 51
		170.5mm2 ACSR/AW, MERLIN		

DRW.055A-OC13S, 13M, S.C.TAP-OFF ON MEDIUM & HEAVY ANGLE 16°-90° WITH STAYS FOR MERLIN MAIN & MERLIN TAP-OFF

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SEC DISTRIBUTION CONSTRUCTION STANDARDS

SDCS-01

Dated: 24-06-2003

SERIAL NO.	QTY	BILL OF MATERIALS DESCRIPTION	REFERENCES	
01	1	OC13S – 13 Meter Steel Pole, HDG, Single Circuit	20-SDMS-01	Page 35
02	4	Crossarm – L 100x100x12x2400mm L.G.	20-SDMS-02	Fig. 01
03	4	Brace – L 50x50x4x828mm L.G.	20-SDMS-02	Fig. 04
04	4	Brace – L 50x50x4x828mm L.G. With One End Clipped	20-SDMS-02	Fig. 04
05	4	Line Post Insulator	15-SDMS-01	Clause 4.2.8
06	9 Set	Suspension Insulator	15-SDMS-01	Page 23
07a	3	Parallel Groove Compression Connector for Merlin – Merlin	20-SDMS-02	Fig. 39
07b	3	Parallel Groove Compression Connector for Merlin – Quail	20-SDMS-02	Fig. 39
08	2	Parallel Groove Comp. Connector for 67.44mm2 ACSR/AW (Quail)	20-SDMS-02	Fig. 39
09	22	Machine Bolt, M20x60mm With Nut, 2 Flat Washer & 1 Spring Washer	20-SDMS-02	Fig. 15
10	2	Machine Bolt, M20x225mm With Nut, 2 Flat Washer & 1 Spring Washer	20-SDMS-02	Fig. 15
11	3	Machine Bolt, M20x265mm With Nut, 2 Flat Washer & 1 Spring Washer	20-SDMS-02	Fig. 15
12	3	Strain Clamp, Straight Line Deadend Type for Quail	20-SDMS-02	Fig. 30
13a	6	Strain Clamp, 3 U-Bolts Type for Merlin	20-SDMS-02	Fig. 29
13b	3	Strain Clamp, 3 U-Bolts Type for Quail	20-SDMS-02	Fig. 29
14	12	Anchor Shackle	20-SDMS-02	Fig. 20
15	9	Clevis Eye Extension	20-SDMS-02	Fig. 21
16	1	Earthwire Suspension Support	20-SDMS-02	Fig. 05
17a	2	Preformed Line Post Insulator Top Tie for Merlin	20-SDMS-02	Fig. 35
17b	2	Preformed Line Post Insulator Top Tie for Quail	20-SDMS-02	Fig. 35
18	7	Double Arming Plate, 100x12x700mm	20-SDMS-02	Fig. 07
19	2 Set	Phasing Plates (A,B,C)	20-SDMS-02	Fig. 53/54
20	56M	Stay Wire 7/4, 12mm Dia. HDG Steel, UTS 101kN (Min)		
21	2 Set	M.V.-S.C. Two Stay Assembly	20-SDMS-02	Drw. 304
22	1 Set	Danger Sign Plate Complete With Its Accessories	20-SDMS-02	Fig. 49/50
23	16M	Anti-Climbing Device, Barbed Wire	20-SDMS-02	Fig. 13
24	2	Buckle Type, Locking Clip for Barbed Wire	20-SDMS-02	Fig. 13
25	1 Set	Pole Numbering Base Plate	20-SDMS-02	Fig. 51
26	1 Set	Pole Numbering Plates	20-SDMS-02	Fig. 51
		MERLIN MAIN & QUAIL TAP-OFF		

DRW.055B-OC13S, 13M, S.C.TAP-OFF ON MEDIUM & HEAVY ANGLE 16°-90° WITH STAYS FOR MERLIN MAIN & QUAIL TAP-OFF

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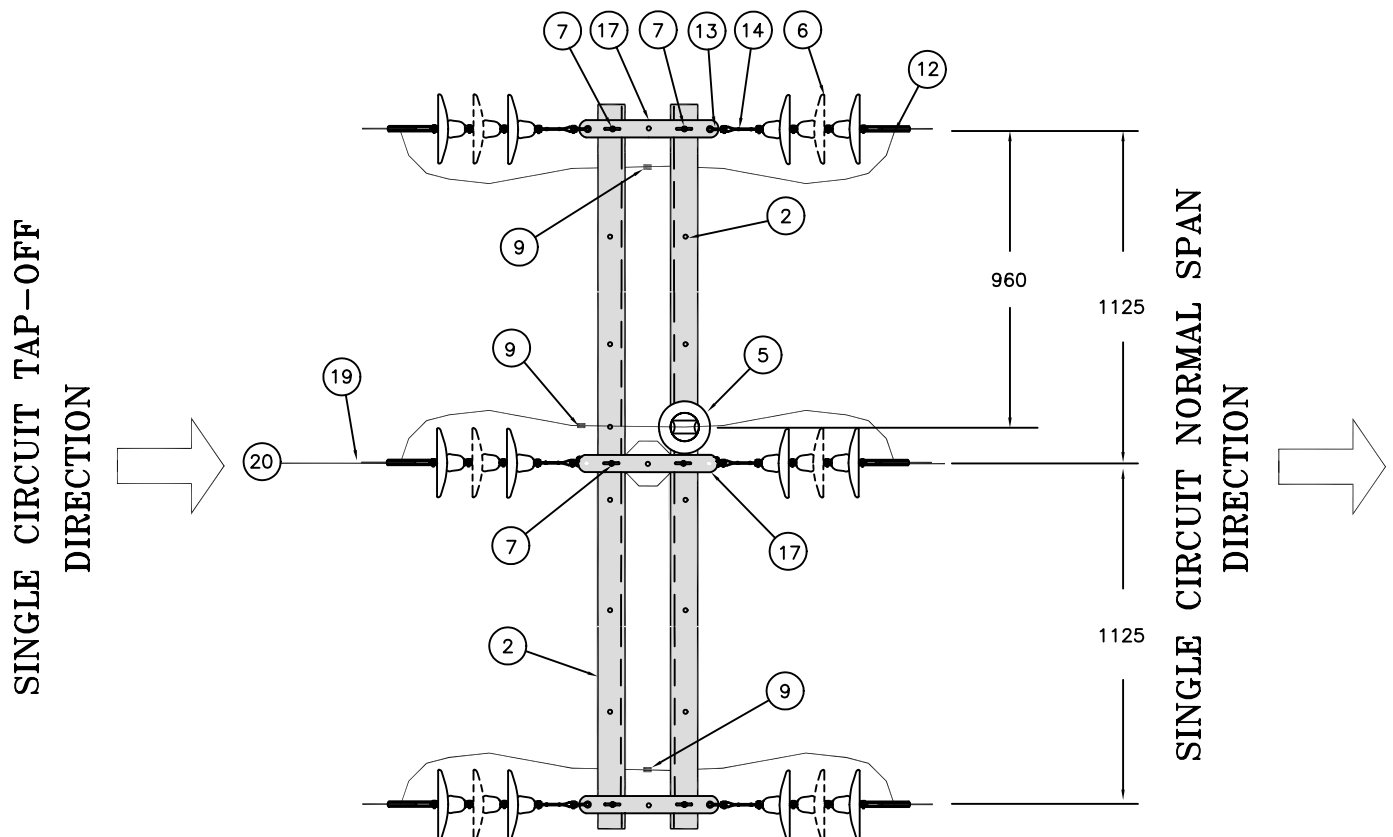
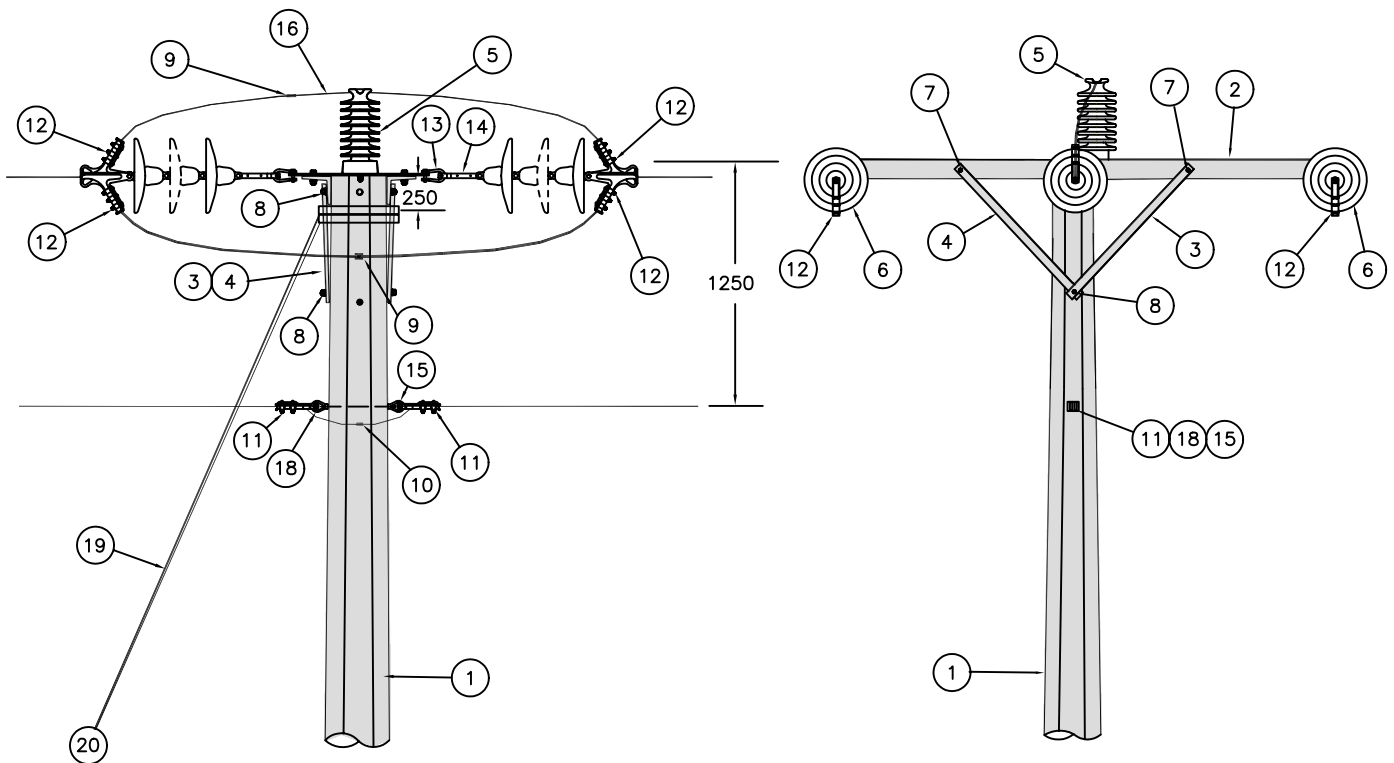
Dated: 24-06-2003

SERIAL NO.	QTY	BILL OF MATERIALS DESCRIPTION	REFERENCES	
01	1	OC13S – 13 Meter Steel Pole, HDG, Single Circuit	20-SDMS-01	Page 35
02	4	Crossarm – L 100x100x12x2400mm L.G.	20-SDMS-02	Fig. 01
03	4	Brace – L 50x50x4x828mm L.G.	20-SDMS-02	Fig. 04
04	4	Brace – L 50x50x4x828mm L.G. With One End Clipped	20-SDMS-02	Fig. 04
05	4	Line Post Insulator	15-SDMS-01	Clause 4.2.8
06	9 Set	Suspension Insulator	15-SDMS-01	Page 23
07	6	Parallel Groove Compression Connector for Quail – Quail	20-SDMS-02	Fig. 39
08	2	Parallel Groove Compression Connector for Quail	20-SDMS-02	Fig. 39
09	22	Machine Bolt, M20x60mm With Nut, 2 Flat Washer & 1 Spring Washer	20-SDMS-02	Fig. 15
10	2	Machine Bolt, M20x225mm With Nut, 2 Flat Washer & 1 Spring Washer	20-SDMS-02	Fig. 15
11	3	Machine Bolt, M20x265mm With Nut, 2 Flat Washer & 1 Spring Washer	20-SDMS-02	Fig. 15
12	3	Strain Clamp, Straight Line Deadend Type for Quail	20-SDMS-02	Fig. 30
13	9	Strain Clamp, 3 U-Bolts Type for Quail	20-SDMS-02	Fig. 29
14	12	Anchor Shackle	20-SDMS-02	Fig. 20
15	9	Clevis Eye Extension	20-SDMS-02	Fig. 21
16	1	Earthwire Suspension Support	20-SDMS-02	Fig. 05
17	4	Preformed Line Post Insulator Top Tie for Quail	20-SDMS-02	Fig. 35
18	7	Double Arming Plate, 100x12x700mm	20-SDMS-02	Fig. 7
19	2 Set	Phasing Plates (A,B,C)	20-SDMS-02	Fig. 53/54
20	56M	Stay Wire 7/4, 12mm Dia. HDG Steel, UTS 101kN (Min)		
21	2 Set	M.V.-S.C. Two Stay Assembly	20-SDMS-02	Drw. 304
22	1 Set	Danger Sign Plate Complete With Its Accessories	20-SDMS-02	Fig. 49&50
23	16M	Anti-Climbing Device, Barbed Wire	20-SDMS-02	Fig. 13
24	2	Buckle Type, Locking Clip for Barbed Wire	20-SDMS-02	Fig. 13
25	1 Set	Pole Numbering Base Plate	20-SDMS-02	Fig. 51
26	1 Set	Pole Numbering Plates	20-SDMS-02	Fig. 51
		67.44mm2 ACSR/AW, QUAIL		

DRW.055C-OC13S, 13M, S.C.TAP-OFF ON MEDIUM & HEAVY ANGLE 16°-90° WITH STAYS FOR QUAIL MAIN & QUAIL TAP-OFF

DRW.056-OC13S, 13M, SINGLE CIRCUIT, SLACK POLE STRUC. WITH STAYS FROM SINGLE CIRCUIT TAP-OFF

ALL DIMENSIONS ARE IN MILLIMETER

SERIAL NO.	QTY	BILL OF MATERIALS DESCRIPTION	REFERENCES	
01	1	OC13S - 13 Meter Steel Pole, HDG, Single Circuit	20-SDMS-01	Page 35
02	2	Crossarm - L 100x100x12x2400mm L.G.	20-SDMS-02	Fig. 01
03	2	Brace - L 50x50x4x828mm L.G.	20-SDMS-02	Fig. 04
04	2	Brace - L 50x50x4x828mm L.G. With One End Clipped	20-SDMS-02	Fig. 04
05	1	Line Post Insulator	15-SDMS-01	Clause 4.2.8
06	6 Set	Suspension Insulator	15-SDMS-01	Page 23
07	10	Machine Bolt, M20x60mm W/1 Nut, 2 Flat Washers & 1 Spring Washer	20-SDMS-02	Fig. 15
08	2	Machine Bolt, M20x225mm W/1 Nut, 2 Flat Washers & 1 Spring Washer	20-SDMS-02	Fig. 15
09	3	Parallel Groove Comp. Connector for 170.5mm2 ACSR/AW (Merlin)	20-SDMS-02	Fig. 39
10	1	Parallel Groove Comp. Connector for 67.44mm2 ACSR/AW (Quail)	20-SDMS-02	Fig. 39
11	2	Strain Clamp, Straight Line Deadend Type for Quail	20-SDMS-02	Fig. 30
12	6	Strain Clamp, 3 U-Bolts Type for Merlin	20-SDMS-02	Fig. 29
13	6	Anchor Shackle	20-SDMS-02	Fig. 20
14	6	Clevis Eye Extension	20-SDMS-02	Fig. 21
15	1	Shoulder Eye Bolt, M20x260mm W/2 Nuts, 1 Flat & 1 Spring Washers	20-SDMS-02	Fig. 17
16	1	Preformed Line Post Insulator Top Tie For 170.5mm2 ACSR/AW (Merlin)	20-SDMS-02	Fig. 35
17	3	Double Arming Plate, 100x12x700mm	20-SDMS-02	Fig. 07
18	1	Eye Nut For M20	20-SDMS-02	Fig. 19
19	30M	Stay Wire 7/4, 12mm Dia. HDG Steel, UTS 101kN (Min)		
20	1 Set	M.V.-S.C. Two Stay Assembly	20-SDMS-02	Drw. 301
21	1 Set	Danger Sign Plate Complete With Its Accessories	20-SDMS-02	Fig. 49/50
22	16M	Anti-Climbing Device, Barbed Wire	20-SDMS-02	Fig. 13
23	2	Buckle Type, Locking Clip for Barbed Wire	20-SDMS-02	Fig. 13
24	1 Set	Pole Numbering Base Plate	20-SDMS-02	Fig. 51
25	1 Set	Pole Numbering Plates	20-SDMS-02	Fig. 51
		170.5mm2 ACSR/AW, MERLIN		

DRW.056A-OC13S, 13M, SINGLE CIRCUIT, SLACK POLE STRUCTURE WITH STAYS FROM SINGLE CIRCUIT TAP-OFF (MERLIN MAIN)

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Dated: 24-06-2003

SERIAL NO.	QTY	BILL OF MATERIALS DESCRIPTION	REFERENCES	
01	1	OC13S – 13 Meter Steel Pole, HDG, Single Circuit	20-SDMS-01	Page 35
02	2	Crossarm – L 100x100x12x2400mm L.G.	20-SDMS-02	Fig. 01
03	2	Brace – L 50x50x4x828mm L.G.	20-SDMS-02	Fig. 04
04	2	Brace – L 50x50x4x828mm L.G. With One End Clipped	20-SDMS-02	Fig. 04
05	1	Line Post Insulator	15-SDMS-01	Clause 4.2.8
06	6 Set	Suspension Insulator	15-SDMS-01	Page 23
07	10	Machine Bolt, M20x60mm W/1 Nut, 2 Flat Washers & 1 Spring Washer	20-SDMS-02	Fig. 15
08	2	Machine Bolt, M20x225mm W/1 Nut, 2 Flat Washers & 1 Spring Washer	20-SDMS-02	Fig. 15
09	3	Parallel Groove Comp. Connector for 67.44mm ACSR/AW (Quail)	20-SDMS-02	Fig. 39
10	1	Parallel Groove Comp. Connector for 67.44mm2 ACSR/AW (Quail)	20-SDMS-02	Fig. 39
11	2	Strain Clamp, Straight Line Deadend Type for Quail	20-SDMS-02	Fig. 30
12	6	Strain Clamp, 3 U-Bolts Type for Quail	20-SDMS-02	Fig. 29
13	6	Anchor Shackle	20-SDMS-02	Fig. 20
14	6	Clevis Eye Extension	20-SDMS-02	Fig. 21
15	1	Shoulder Eye Bolt, M20x260mm W/2 Nuts, 1 Flat & 1 Spring Washers	20-SDMS-02	Fig. 17
16	1	Preformed Line Post Insulator Top Tie For 67.44mm ACSR/AW (Quail)	20-SDMS-02	Fig. 35
17	3	Double Arming Plate, 100x12x700mm	20-SDMS-02	Fig. 07
18	1	Eye Nut For M20	20-SDMS-02	Fig. 19
19	30M	Stay Wire 7/4, 12mm Dia. HDG Steel, UTS 101kN (Min)		
20	1 Set	M.V.-S.C. Two Stay Assembly	20-SDMS-02	Drw. 301
21	1 Set	Danger Sign Plate Complete With Its Accessories	20-SDMS-02	Fig. 49/50
22	16M	Anti-Climbing Device, Barbed Wire	20-SDMS-02	Fig. 13
23	2	Buckle Type, Locking Clip for Barbed Wire	20-SDMS-02	Fig. 13
24	1 Set	Pole Numbering Base Plate	20-SDMS-02	Fig. 51
25	1 Set	Pole Numbering Plates	20-SDMS-02	Fig. 51
		67.44mm2 ACSR/AW, QUAIL		

DRW.056B-OC13S, 13M, SINGLE CIRCUIT, SLACK POLE STRUCTURE WITH STAYS FROM SINGLE CIRCUIT TAP-OFF (QUAIL MAIN)

DRW.057-OC14S,14M, S.C.TAP-OFF ON INTERMEDIATE 0°-5° STRUC. W/STAYS

ALL DIMENSIONS ARE IN MILLIMETER

SERIAL NO.	QTY	BILL OF MATERIALS DESCRIPTION	REFERENCES	
01	1	OC14S – 14 Meter Steel Pole, HDG, Single Circuit	20-SDMS-01	Page 36
02	3	Crossarm – L 100x100x12x2400mm L.G.	20-SDMS-02	Fig. 01
03	3	Brace – L 50x50x4x828mm L.G.	20-SDMS-02	Fig. 04
04	3	Brace – L 50x50x4x828mm L.G. With One End Clipped	20-SDMS-02	Fig. 04
05	5	Line Post Insulator	15-SDMS-01	Clause 4.2.8
06	3 Set	Suspension Insulator	15-SDMS-01	Page 23
07	3	Parallel Groove Compression Connector for Merlin–Merlin	20-SDMS-02	Fig. 39
08	1	Parallel Groove Compression Connector for 67.44mm2 ACSR/AW (Quail)	20-SDMS-02	Fig. 39
09	14	Machine Bolt, M20x60mm With Nut, 2 Flat Washer & 1 Spring Washer	20-SDMS-02	Fig. 15
10	2	Machine Bolt, M20x225mm With Nut, 2 Flat Washer & 1 Spring Washer	20-SDMS-02	Fig. 15
11	3	Machine Bolt, M20x265mm With Nut, 2 Flat Washer & 1 Spring Washer	20-SDMS-02	Fig. 15
12	1	Strain Clamp, Straight Line Deadend Type for Quail	20-SDMS-02	Fig. 30
13	3	Strain Clamp, 3 U–Bolts Type for Merlin	20-SDMS-02	Fig. 29
14	4	Anchor Shackle	20-SDMS-02	Fig. 20
15	3	Clevis Eye Extension	20-SDMS-02	Fig. 21
16	3 Set	Preformed Armoured Rods for 170.5mm2 ASCR/AW (Merlin)	20-SDMS-02	Fig. 38
17a	3	Preformed Line Post Insulator Top Tie for Merlin With Armour	20-SDMS-02	Fig. 35
17b	2	Preformed Line Post Insulator Top Tie for Merlin	20-SDMS-02	Fig. 35
18	4	Double Arming Plate, 100x12x700mm	20-SDMS-02	Fig. 07
19	1	Earthwire Support Plate	20-SDMS-02	Fig. 06
20	1	Earthwire Suspension Support	20-SDMS-02	Fig. 05
21	1 Set	Preformed Armoured Rods for 67.44mm2 ASCR/AW (Quail)	20-SDMS-02	Fig. 38
22	2 Set	Phasing Plates (A,B,C)	20-SDMS-02	Fig. 53/54
23	29M	Stay Wire 7/4, 12mm dia. HDG Steel, UTS 101kN (Min)		
24	1 Set	M.V.–S.C. Two Stay Assembly	20-SDMS-02	Drw. 301
25	1 Set	Danger Sign Plate Complete With Its Accessories	20-SDMS-02	Fig. 49/50
26	17M	Anti–Climbing Device, Barbed Wire	20-SDMS-02	Fig. 13
27	2	Buckle Type, Locking Clip for Barbed Wire	20-SDMS-02	Fig. 13
28	1 Set	Pole Numbering Base Plate	20-SDMS-02	Fig. 51
29	1 Set	Pole Numbering Plates	20-SDMS-02	Fig. 51
		170.5mm2 ACSR/AW, MERLIN		

DRW.057A–OC14S, 14M, S.C. TAP–OFF ON INTERMEDIATE 0°–5° STRUC. WITH STAYS FOR MERLIN MAIN & MERLIN TAP–OFF

SERIAL NO.	QTY	BILL OF MATERIALS DESCRIPTION	REFERENCES	
01	1	OC14S – 14 Meter Steel Pole, HDG, Single Circuit	20-SDMS-01	Page 36
02	3	Crossarm – L 100x100x12x2400mm L.G.	20-SDMS-02	Fig. 01
03	3	Brace – L 50x50x4x828mm L.G.	20-SDMS-02	Fig. 04
04	3	Brace – L 50x50x4x828mm L.G. With One End Clipped	20-SDMS-02	Fig. 04
05	5	Line Post Insulator	15-SDMS-01	Clause 4.2.8
06	3 Set	Suspension Insulator	15-SDMS-01	Page 23
07	3	Parallel Groove Compression Connector for Merlin – Quail	20-SDMS-02	Fig. 39
08	1	Parallel Groove Compression Connector for 67.44mm2 ACSR/AW (Quail)	20-SDMS-02	Fig. 39
09	14	Machine Bolt, M20x60mm With Nut, 2 Flat Washer & 1 Spring Washer	20-SDMS-02	Fig. 15
10	2	Machine Bolt, M20x225mm With Nut, 2 Flat Washer & 1 Spring Washer	20-SDMS-02	Fig. 15
11	3	Machine Bolt, M20x265mm With Nut, 2 Flat Washer & 1 Spring Washer	20-SDMS-02	Fig. 15
12	1	Strain Clamp, Straight Line Deadend Type for Quail	20-SDMS-02	Fig. 30
13	3	Strain Clamp, 3 U-Bolts Type for Quail	20-SDMS-02	Fig. 29
14	4	Anchor Shackle	20-SDMS-02	Fig. 20
15	3	Clevis Eye Extension	20-SDMS-02	Fig. 21
16	3 Set	Preformed Armoured Rods for 170.5mm2 ASCR/AW (Merlin)	20-SDMS-02	Fig. 38
17a	3	Preformed Line Post Insulator Top Tie for Merlin With Armour	20-SDMS-02	Fig. 35
17b	2	Preformed Line Post Insulator Top Tie for Quail	20-SDMS-02	Fig. 35
18	4	Double Arming Plate, 100x12x700mm	20-SDMS-02	Fig. 07
19	1	Earthwire Support Plate	20-SDMS-02	Fig. 06
20	1	Earthwire Suspension Support	20-SDMS-02	Fig. 05
21	1 Set	Preformed Armoured Rods for 67.44mm2 ASCR/AW (Quail)	20-SDMS-02	Fig. 38
22	2 Set	Phasing Plates (A,B,C)	20-SDMS-02	Fig. 53/54
23	29M	Stay Wire 7/4, 12mm Dia. HDG Steel, UTS 101kN (Min)		
24	1 Set	M.V.-S.C. Two Stay Assembly	20-SDMS-02	Drw. 301
25	1 Set	Danger Sign Plate Complete With Its Accessories	20-SDMS-02	Fig. 49&50
26	17M	Anti-Climbing Device, Barbed Wire	20-SDMS-02	Fig. 13
27	2	Buckle Type, Locking Clip for Barbed Wire	20-SDMS-02	Fig. 13
28	1 Set	Pole Numbering Base Plate	20-SDMS-02	Fig. 51
29	1 Set	Pole Numbering Plates	20-SDMS-02	Fig. 51
		MERLIN MAIN & QUAIL TAP-OFF		

DRW.057B-OC14S, 14M, S.C. TAP-OFF ON INTERMEDIATE 0°-5° STRUC. WITH STAYS FOR MERLIN MAIN & QUAIL TAP-OFF

SERIAL NO.	QTY	BILL OF MATERIALS DESCRIPTION	REFERENCES	
01	1	OC14S – 14 Meter Steel Pole, HDG, Single Circuit	20-SDMS-01	Page 36
02	3	Crossarm – L 100x100x12x2400mm L.G.	20-SDMS-02	Fig. 01
03	3	Brace – L 50x50x4x828mm L.G.	20-SDMS-02	Fig. 04
04	3	Brace – L 50x50x4x828mm L.G. With One End Clipped	20-SDMS-02	Fig. 04
05	5	Line Post Insulator	15-SDMS-01	Clause 4.2.8
06	3 Set	Suspension Insulator	15-SDMS-01	Page 23
07	3	Parallel Groove Compression Connector for Quail-Quail	20-SDMS-02	Fig. 39
08	1	Parallel Groove Compression Connector for 67.44mm2 ACSR/AW (Quail)	20-SDMS-02	Fig. 39
09	14	Machine Bolt, M20x60mm With Nut, 2 Flat Washer & 1 Spring Washer	20-SDMS-02	Fig. 15
10	2	Machine Bolt, M20x225mm With Nut, 2 Flat Washer & 1 Spring Washer	20-SDMS-02	Fig. 15
11	3	Machine Bolt, M20x265mm With Nut, 2 Flat Washer & 1 Spring Washer	20-SDMS-02	Fig. 15
12	1	Strain Clamp, Straight Line Deadend Type for Quail	20-SDMS-02	Fig. 30
13	3	Strain Clamp, 3 U-Bolts Type for Quail	20-SDMS-02	Fig. 29
14	4	Anchor Shackle	20-SDMS-02	Fig. 20
15	3	Clevis Eye Extension	20-SDMS-02	Fig. 21
16	3 Set	Preformed Armoured Rods for 67.44mm2 ASCR/AW (Quail)	20-SDMS-02	Fig. 38
17a	3	Preformed Line Post Insulator Top Tie for Quail With Armour	20-SDMS-02	Fig. 35
17b	2	Preformed Line Post Insulator Top Tie for Quail	20-SDMS-02	Fig. 35
18	4	Double Arming Plate, 100x12x700mm	20-SDMS-02	Fig. 07
19	1	Earthwire Support Plate	20-SDMS-02	Fig. 06
20	1	Earthwire Suspension Support	20-SDMS-02	Fig. 05
21	1 Set	Preformed Armoured Rods for 67.44mm2 ASCR/AW (Quail)	20-SDMS-02	Fig. 38
22	2 Set	Phasing Plates (A,B,C)	20-SDMS-02	Fig. 53/54
23	29M	Stay Wire 7/4, 12mm Dia. HDG Steel, UTS 101kN (Min)		
24	1 Set	M.V.-S.C. Two Stay Assembly	20-SDMS-02	Drw. 301
25	1 Set	Danger Sign Plate Complete With Its Accessories	20-SDMS-02	Fig. 49/50
26	17M	Anti-Climbing Device, Barbed Wire	20-SDMS-02	Fig. 13
27	2	Buckle Type, Locking Clip for Barbed Wire	20-SDMS-02	Fig. 13
28	1 Set	Pole Numbering Base Plate	20-SDMS-02	Fig. 51
29	1 Set	Pole Numbering Plates	20-SDMS-02	Fig. 51
		67.44mm2 ACSR/AW, QUAIL		

DRW.057C-OC14S, 14M, S.C. TAP-OFF ON INTERMEDIATE 0°-5° STRUC. WITH STAYS FOR QUAIL MAIN & QUAIL TAP-OFF

DRW.058-OC14S,14M,S.C. TAP-OFF ON LIGHT ANGLE 6°-15° STURC.W/STAYS

ALL DIMENSIONS ARE IN MILLIMETER

SERIAL NO.	QTY	BILL OF MATERIALS DESCRIPTION	REFERENCES	
01	1	OC14S – 14 Meter Steel Pole, HDG, Single Circuit	20-SDMS-01	Page 36
02	3	Crossarm – L 100x100x12x2400mm L.G.	20-SDMS-02	Fig. 01
03	3	Brace – L 50x50x4x828mm L.G.	20-SDMS-02	Fig. 04
04	3	Brace – L 50x50x4x828mm L.G. With One End Clipped	20-SDMS-02	Fig. 04
05	5	Line Post Insulator	15-SDMS-01	Clause 4.2.8
06	3 Set	Suspension Insulator	15-SDMS-01	Page 23
07	3	Parallel Groove Compression Connector for Merlin-Merlin	20-SDMS-02	Fig. 39
08	1	Parallel Groove Compression Connector for 67.44mm2 ACSR/AW (Quail)	20-SDMS-02	Fig. 39
09	14	Machine Bolt, M20x60mm With Nut, 2 Flat Washer & 1 Spring Washer	20-SDMS-02	Fig. 15
10	2	Machine Bolt, M20x225mm With Nut, 2 Flat Washer & 1 Spring Washer	20-SDMS-02	Fig. 15
11	3	Machine Bolt, M20x265mm With Nut, 2 Flat Washer & 1 Spring Washer	20-SDMS-02	Fig. 15
12	1	Strain Clamp, Straight Line Deadend Type for Quail	20-SDMS-02	Fig. 30
13	3	Strain Clamp, 3 U-Bolts Type for Merlin	20-SDMS-02	Fig. 29
14	4	Anchor Shackle	20-SDMS-02	Fig. 20
15	3	Clevis Eye Extension	20-SDMS-02	Fig. 21
16	3 Set	Preformed Armoured Rods for 170mm2 ACSR/AW (Merlin)	20-SDMS-02	Fig. 38
17	3	Preformed Line Post Insulator Side Tie for Merlin With Armour	20-SDMS-02	Fig. 36
18	2	Preformed Line Post Insulator Top Tie for Merlin	20-SDMS-02	Fig. 35
19	4	Double Arming Plate, 100x12x700mm	20-SDMS-02	Fig. 07
20	1	Earthwire Support Plate	20-SDMS-02	Fig. 06
21	1	Earthwire Suspension Support	20-SDMS-02	Fig. 05
22	1 Set	Preformed Armoured Rods for 67.44mm2 ASCR/AW (Quail)	20-SDMS-02	Fig. 38
23	45M	Stay Wire 7/4, 12mm Dia. HDG Steel, UTS 101kN (Min)		
24	1 Set	M.V.-S.C. One Stay Assembly	20-SDMS-02	Drw. 303
25	1 Set	M.V.-S.C. Two Stay Assembly	20-SDMS-02	Drw. 304
26	2 Set	Phasing Plates (A,B,C)	20-SDMS-02	Fig. 53/54
27	1 Set	Danger Sign Plate Complete With Its Accessories	20-SDMS-02	Fig. 49/50
28	17M	Anti-Climbing Device, Barbed Wire	20-SDMS-02	Fig. 13
29	2	Buckle Type, Locking Clip for Barbed Wire	20-SDMS-02	Fig. 13
30	1 Set	Pole Numbering Base Plate	20-SDMS-02	Fig. 51
31	1 Set	Pole Numbering Plates	20-SDMS-02	Fig. 51
		170.5mm2 ACSR/AW, MERLIN		

DRW.058A-OC14S, 14M, S.C. TAP-OFF ON LIGHT ANGLE STRUCTURE 6°-15° WITH STAYS FOR MERLIN MAIN & MERLIN TAP-OFF

SERIAL NO.	QTY	BILL OF MATERIALS DESCRIPTION	REFERENCES	
01	1	OC14S – 14 Meter Steel Pole, HDG, Single Circuit	20-SDMS-01	Page 36
02	3	Crossarm – L 100x100x12x2400mm L.G.	20-SDMS-02	Fig. 01
03	3	Brace – L 50x50x4x828mm L.G.	20-SDMS-02	Fig. 04
04	3	Brace – L 50x50x4x828mm L.G. With One End Clipped	20-SDMS-02	Fig. 04
05	5	Line Post Insulator	15-SDMS-01	Clause 4.2.8
06	3 Set	Suspension Insulator	15-SDMS-01	Page 23
07	3	Parallel Groove Compression Connector for Merlin – Quail	20-SDMS-02	Fig. 39
08	1	Parallel Groove Compression Connector for 67.44mm2 ACSR/AW (Quail)	20-SDMS-02	Fig. 39
09	14	Machine Bolt, M20x60mm With Nut, 2 Flat Washer & 1 Spring Washer	20-SDMS-02	Fig. 15
10	2	Machine Bolt, M20x225mm With Nut, 2 Flat Washer & 1 Spring Washer	20-SDMS-02	Fig. 15
11	3	Machine Bolt, M20x265mm With Nut, 2 Flat Washer & 1 Spring Washer	20-SDMS-02	Fig. 15
12	1	Strain Clamp, Straight Line Deadend Type for Quail	20-SDMS-02	Fig. 30
13	3	Strain Clamp, 3 U-Bolts Type for Quail	20-SDMS-02	Fig. 29
14	4	Anchor Shackle	20-SDMS-02	Fig. 20
15	3	Clevis Eye Extension	20-SDMS-02	Fig. 21
16	3 Set	Preformed Armoured Rods for 170mm2 ACSR/AW (Merlin)	20-SDMS-02	Fig. 38
17	3	Preformed Line Post Insulator Side Tie for Merlin With Armour	20-SDMS-02	Fig. 36
18	2	Preformed Line Post Insulator Top Tie for Quail	20-SDMS-02	Fig. 35
19	4	Double Arming Plate, 100x12x700mm	20-SDMS-02	Fig. 07
20	1	Earthwire Support Plate	20-SDMS-02	Fig. 06
21	1	Earthwire Suspension Support	20-SDMS-02	Fig. 05
22	1 Set	Preformed Armoured Rods for 67.44mm2 ASCR/AW (Quail)	20-SDMS-02	Fig. 38
23	45M	Stay Wire 7/4, 12mm Dia. HDG Steel, UTS 101kN (Min)		
24	1 Set	M.V.-S.C. One Stay Assembly	20-SDMS-02	Drw. 303
25	1 Set	M.V.-S.C. Two Stay Assembly	20-SDMS-02	Drw. 304
26	2 Set	Phasing Plates (A,B,C)	20-SDMS-02	Fig. 53/54
27	1 Set	Danger Sign Plate Complete With Its Accessories	20-SDMS-02	Fig. 49/50
28	17M	Anti-Climbing Device, Barbed Wire	20-SDMS-02	Fig. 13
29	2	Buckle Type, Locking Clip for Barbed Wire	20-SDMS-02	Fig. 13
30	1 Set	Pole Numbering Base Plate	20-SDMS-02	Fig. 51
31	1 Set	Pole Numbering Plates	20-SDMS-02	Fig. 51
		MERLIN MAIN & QUAIL TAP-OFF		

DRW.058B-OC14S, 14M, S.C. TAP-OFF ON LIGHT ANGLE STRUCTURE 6°-15° WITH STAYS FOR MERLIN MAIN & QUAIL TAP-OFF

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SEC DISTRIBUTION CONSTRUCTION STANDARDS

SDCS-01

Dated: 24-06-2003

SERIAL NO.	QTY	BILL OF MATERIALS DESCRIPTION	REFERENCES	
01	1	OC14S – 14 Meter Steel Pole, HDG, Single Circuit	20-SDMS-01	Page 36
02	3	Crossarm – L 100x100x12x2400mm L.G.	20-SDMS-02	Fig. 01
03	3	Brace – L 50x50x4x828mm L.G.	20-SDMS-02	Fig. 04
04	3	Brace – L 50x50x4x828mm L.G. With One End Clipped	20-SDMS-02	Fig. 04
05	5	Line Post Insulator	15-SDMS-01	Clause 4.2.8
06	3 Set	Suspension Insulator	15-SDMS-01	Page 23
07	3	Parallel Groove Compression Connector for Quail-Quail	20-SDMS-02	Fig. 39
08	1	Parallel Groove Compression Connector for 67.44mm2 ACSR/AW (Quail)	20-SDMS-02	Fig. 39
09	14	Machine Bolt, M20x60mm With Nut, 2 Flat Washer & 1 Spring Washer	20-SDMS-02	Fig. 15
10	2	Machine Bolt, M20x225mm With Nut, 2 Flat Washer & 1 Spring Washer	20-SDMS-02	Fig. 15
11	3	Machine Bolt, M20x265mm With Nut, 2 Flat Washer & 1 Spring Washer	20-SDMS-02	Fig. 15
12	1	Strain Clamp, Straight Line Deadend Type for Quail	20-SDMS-02	Fig. 30
13	3	Strain Clamp, 3 U-Bolts Type for Quail	20-SDMS-02	Fig. 29
14	4	Anchor Shackle	20-SDMS-02	Fig. 20
15	3	Clevis Eye Extension	20-SDMS-02	Fig. 21
16	3 Set	Preformed Armoured Rods for 67.44mm2 ACSR/AW (Quail)	20-SDMS-02	Fig. 38
17	3	Preformed Line Post Insulator Side Tie for Quail With Armour	20-SDMS-02	Fig. 36
18	2	Preformed Line Post Insulator Top Tie for Quail	20-SDMS-02	Fig. 35
19	4	Double Arming Plate, 100x12x700mm	20-SDMS-02	Fig. 7
20	1	Earthwire Support Plate	20-SDMS-02	Fig. 06
21	1	Earthwire Suspension Support	20-SDMS-02	Fig. 05
22	1 Set	Preformed Armoured Rods for 67.44mm2 ASCR/AW (Quail)	20-SDMS-02	Fig. 38
23	45M	Stay Wire 7/4, 12mm Dia. HDG Steel, UTS 101kN (Min)		
24	1 Set	M.V.-S.C. One Stay Assembly	20-SDMS-02	Drw. 303
25	1 Set	M.V.-S.C. Two Stay Assembly	20-SDMS-02	Drw. 304
26	2 Set	Phasing Plates (A,B,C)	20-SDMS-02	Fig. 53/54
27	1 Set	Danger Sign Plate Complete With Its Accessories	20-SDMS-02	Fig. 49/50
28	17M	Anti-Climbing Device, Barbed Wire	20-SDMS-02	Fig. 13
29	2	Buckle Type, Locking Clip for Barbed Wire	20-SDMS-02	Fig. 13
30	1 Set	Pole Numbering Base Plate	20-SDMS-02	Fig. 51
31	1 Set	Pole Numbering Plates	20-SDMS-02	Fig. 51
		67.44mm2 ACSR/AW, QUAIL		

DRW.058C-OC14S, 14M, S.C. TAP-OFF ON LIGHT ANGLE STRUCTURE 6°-15° WITH STAY FOR QUAIL MAIN & QUAIL TAP-OFF

DRW.059-OC14S, 14M, S.C. TAP-OFF ON MEDIUM & HEAVY 16°-90° ANGLE STRUCTURE WITH STAYS

ALL DIMENSIONS ARE IN MILLIMETER

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Dated: 24-06-2003

SERIAL NO.	QTY	BILL OF MATERIALS DESCRIPTION	REFERENCES	
01	1	OC14S - 14 Meter Steel Pole, HDG, Single Circuit	20-SDMS-01	Page 36
02	4	Crossarm - L 100x100x12x2400mm L.G.	20-SDMS-02	Fig. 01
03	4	Brace - L 50x50x4x828mm L.G.	20-SDMS-02	Fig. 04
04	4	Brace - L 50x50x4x828mm L.G. With One End Clipped	20-SDMS-02	Fig. 04
05	4	Line Post Insulator	15-SDMS-01	Clause 4.2.8
06	9 Set	Suspension Insulator	15-SDMS-01	Page 23
07	6	Parallel Groove Compression Connector for Merlin-Merlin	20-SDMS-02	Fig. 39
08	2	Parallel Groove Compression Connector for Quail	20-SDMS-02	Fig. 39
09	22	Machine Bolt, M20x60mm With Nut, 2 Flat Washer & 1 Spring Washer	20-SDMS-02	Fig. 15
10	2	Machine Bolt, M20x225mm With Nut, 2 Flat Washer & 1 Spring Washer	20-SDMS-02	Fig. 15
11	3	Machine Bolt, M20x265mm With Nut, 2 Flat Washer & 1 Spring Washer	20-SDMS-02	Fig. 15
12	3	Strain Clamp, Straight Line Deadend Type for Quail	20-SDMS-02	Fig. 30
13	9	Strain Clamp, 3 U-Bolts Type for Merlin	20-SDMS-02	Fig. 29
14	12	Anchor Shackle	20-SDMS-02	Fig. 20
15	9	Clevis Eye Extension	20-SDMS-02	Fig. 21
16	1	Earthwire Suspension Support	20-SDMS-02	Fig. 05
17	4	Preformed Line Post Insulator Top Tie for Merlin	20-SDMS-02	Fig. 35
18	7	Double Arming Plate, 100x12x700mm	20-SDMS-02	Fig. 07
19	2 Set	Phasing Plates (A,B,C)	20-SDMS-02	Fig. 53/54
20	61M	Stay Wire 7/4, 12mm Dia. HDG Steel, UTS 101kN (Min)		
21	2 Set	M.V.-S.C. Two Stay Assembly	20-SDMS-02	Drw. 304
22	1 Set	Danger Sign Plate Complete With Its Accessories	20-SDMS-02	Fig. 49/50
23	17M	Anti-Climbing Device, Barbed Wire	20-SDMS-02	Fig. 13
24	2	Buckle Type, Locking Clip for Barbed Wire	20-SDMS-02	Fig. 13
25	1 Set	Pole Numbering Base Plate	20-SDMS-02	Fig. 51
26	1 Set	Pole Numbering Plates	20-SDMS-02	Fig. 51
		170.5mm2 ACSR/AW, MERLIN		

DRW.059A-OC14S, 14M, S.C.TAP-OFF ON MEDIUM & HEAVY ANGLE 16°-90° WITH STAYS FOR MERLIN MAIN & MERLIN TAP-OFF

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SEC DISTRIBUTION CONSTRUCTION STANDARDS	SDCS-01
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SERIAL NO.	QTY	BILL OF MATERIALS DESCRIPTION	REFERENCES	
01	1	OC14S – 14 Meter Steel Pole, HDG, Single Circuit	20-SDMS-01	Page 36
02	4	Crossarm – L 100x100x12x2400mm L.G.	20-SDMS-02	Fig. 01
03	4	Brace – L 50x50x4x828mm L.G.	20-SDMS-02	Fig. 04
04	4	Brace – L 50x50x4x828mm L.G. With One End Clipped	20-SDMS-02	Fig. 04
05	4	Line Post Insulator	15-SDMS-01	Clause 4.2.8
06	9 Set	Suspension Insulator	15-SDMS-01	Page 23
07a	3	Parallel Groove Compression Connector for Merlin – Merlin	20-SDMS-02	Fig. 39
07b	3	Parallel Groove Compression Connector for Merlin – Quail	20-SDMS-02	Fig. 39
08	2	Parallel Groove Comp. Connector for 67.44mm2 ACSR/AW (Quail)	20-SDMS-02	Fig. 39
09	22	Machine Bolt, M20x60mm With Nut, 2 Flat Washer & 1 Spring Washer	20-SDMS-02	Fig. 15
10	2	Machine Bolt, M20x225mm With Nut, 2 Flat Washer & 1 Spring Washer	20-SDMS-02	Fig. 15
11	3	Machine Bolt, M20x265mm With Nut, 2 Flat Washer & 1 Spring Washer	20-SDMS-02	Fig. 15
12	3	Strain Clamp, Straight Line Deadend Type for Quail	20-SDMS-02	Fig. 30
13a	6	Strain Clamp, 3 U-Bolts Type for Merlin	20-SDMS-02	Fig. 29
13b	3	Strain Clamp, 3 U-Bolts Type for Quail	20-SDMS-02	Fig. 29
14	12	Anchor Shackle	20-SDMS-02	Fig. 20
15	9	Clevis Eye Extension	20-SDMS-02	Fig. 21
16	1	Earthwire Suspension Support	20-SDMS-02	Fig. 05
17a	2	Preformed Line Post Insulator Top Tie for Merlin	20-SDMS-02	Fig. 35
17b	2	Preformed Line Post Insulator Top Tie for Quail	20-SDMS-02	Fig. 35
18	7	Double Arming Plate, 100x12x700mm	20-SDMS-02	Fig. 07
19	2 Set	Phasing Plates (A,B,C)	20-SDMS-02	Fig. 53/54
20	61M	Stay Wire 7/4, 12mm Dia. HDG Steel, UTS 101kN (Min)		
21	2 Set	M.V.-S.C. Two Stay Assembly	20-SDMS-02	Drw. 304
22	1 Set	Danger Sign Plate Complete With Its Accessories	20-SDMS-02	Fig. 49/50
23	17M	Anti-Climbing Device, Barbed Wire	20-SDMS-02	Fig. 13
24	2	Buckle Type, Locking Clip for Barbed Wire	20-SDMS-02	Fig. 13
25	1 Set	Pole Numbering Base Plate	20-SDMS-02	Fig. 51
26	1 Set	Pole Numbering Plates	20-SDMS-02	Fig. 51
		MERLIN MAIN & QUAIL TAP-OFF		

DRW.059B-OC14S, 14M, S.C.TAP-OFF ON MEDIUM & HEAVY ANGLE 16°-90° WITH STAYS FOR MERLIN MAIN & QUAIL TAP-OFF

Saudi Electricity Company الشركة السعودية للكهرباء

SEC DISTRIBUTION CONSTRUCTION STANDARDS

SDCS-01

Dated: 24-06-2003

SERIAL NO.	QTY	BILL OF MATERIALS DESCRIPTION	REFERENCES	
01	1	OC14S - 14 Meter Steel Pole, HDG, Single Circuit	20-SDMS-01	Page 36
02	4	Crossarm - L 100x100x12x2400mm L.G.	20-SDMS-02	Fig. 01
03	4	Brace - L 50x50x4x828mm L.G.	20-SDMS-02	Fig. 04
04	4	Brace - L 50x50x4x828mm L.G. With One End Clipped	20-SDMS-02	Fig. 04
05	4	Line Post Insulator	15-SDMS-01	Clause 4.2.8
06	9 Set	Suspension Insulator	15-SDMS-01	Page 23
07	6	Parallel Groove Compression Connector for Quail - Quail	20-SDMS-02	Fig. 39
08	2	Parallel Groove Compression Connector for Quail	20-SDMS-02	Fig. 39
09	22	Machine Bolt, M20x60mm With Nut, 2 Flat Washer & 1 Spring Washer	20-SDMS-02	Fig. 15
10	2	Machine Bolt, M20x225mm With Nut, 2 Flat Washer & 1 Spring Washer	20-SDMS-02	Fig. 15
11	3	Machine Bolt, M20x265mm With Nut, 2 Flat Washer & 1 Spring Washer	20-SDMS-02	Fig. 15
12	3	Strain Clamp, Straight Line Deadend Type for Quail	20-SDMS-02	Fig. 30
13	9	Strain Clamp, 3 U-Bolts Type for Quail	20-SDMS-02	Fig. 29
14	12	Anchor Shackle	20-SDMS-02	Fig. 20
15	9	Clevis Eye Extension	20-SDMS-02	Fig. 21
16	1	Earthwire Suspension Support	20-SDMS-02	Fig. 05
17	4	Preformed Line Post Insulator Top Tie for Quail	20-SDMS-02	Fig. 35
18	7	Double Arming Plate, 100x12x700mm	20-SDMS-02	Fig. 07
19	2 Set	Phasing Plates (A,B,C)	20-SDMS-02	Fig. 53/54
20	61M	Stay Wire 7/4, 12mm Dia. HDG Steel, UTS 101kN (Min)		
21	2 Set	M.V.-S.C. Two Stay Assembly	20-SDMS-02	Drw. 304
22	1 Set	Danger Sign Plate Complete With Its Accessories	20-SDMS-02	Fig. 49/50
23	17M	Anti-Climbing Device, Barbed Wire	20-SDMS-02	Fig. 13
24	2	Buckle Type, Locking Clip for Barbed Wire	20-SDMS-02	Fig. 13
25	1 Set	Pole Numbering Base Plate	20-SDMS-02	Fig. 51
26	1 Set	Pole Numbering Plates	20-SDMS-02	Fig. 51
		67.44mM2 ACSR/AW, QUAIL		

DRW.059C-OC14S, 14M, S.C.TAP-OFF ON MEDIUM & HEAVY ANGLE 16°-90° WITH STAYS FOR QUAIL MAIN & QUAIL TAP-OFF

250

1250

DRW.060-OC14S, 14M, SINGLE CIRCUIT, SLACK POLE STRUCTURE WITH STAYS FROM SINGLE CIRCUIT TAP-OFF

ALL DIMENSIONS ARE IN MILLIMETER

SERIAL NO.	QTY	BILL OF MATERIALS DESCRIPTION	REFERENCES	
01	1	OC14S – 14 Meter Steel Pole, HDG, Single Circuit	20-SDMS-01	Page 36
02	2	Crossarm – L 100x100x12x2400mm L.G.	20-SDMS-02	Fig. 01
03	2	Brace – L 50x50x4x828mm L.G.	20-SDMS-02	Fig. 04
04	2	Brace – L 50x50x4x828mm L.G. With One End Clipped	20-SDMS-02	Fig. 04
05	1	Line Post Insulator	15-SDMS-01	Clause 4.2.8
06	6 Set	Suspension Insulator	15-SDMS-01	Page 23
07	10	Machine Bolt, M20x60mm W/1 Nut, 2 Flat Washers & 1 Spring Washer	20-SDMS-02	Fig. 15
08	2	Machine Bolt, M20x225mm W/1 Nut, 2 Flat Washers & 1 Spring Washer	20-SDMS-02	Fig. 15
09	3	Parallel Groove Comp. Connector for 170.5mm2 ACSR/AW (Merlin)	20-SDMS-02	Fig. 39
10	1	Parallel Groove Comp. Connector for 67.44mm2 ACSR/AW (Quail)	20-SDMS-02	Fig. 39
11	2	Strain Clamp, Straight Line Deadend Type for Quail	20-SDMS-02	Fig. 30
12	6	Strain Clamp, 3 U-Bolts Type for Merlin	20-SDMS-02	Fig. 29
13	6	Anchor Shackle	20-SDMS-02	Fig. 20
14	6	Clevis Eye Extension	20-SDMS-02	Fig. 21
15	1	Shoulder Eye Bolt, M20x260mm W/2 Nuts, 1 Flat & 1 Spring Washers	20-SDMS-02	Fig. 17
16	1	Preformed Line Post Insulator Top Tie For 170.5mm2 ACSR/AW (Merlin)	20-SDMS-02	Fig. 35
17	3	Double Arming Plate, 100x12x700mm	20-SDMS-02	Fig. 07
18	1	Eye Nut For M20	20-SDMS-02	Fig. 19
19	32M	Stay Wire 7/4, 12mm Dia. HDG Steel, UTS 101kN (Min)		
20	1 Set	M.V.-S.C. Two Stay Assembly	20-SDMS-02	Drw. 303
21	1 Set	Danger Sign Plate Complete With Its Accessories	20-SDMS-02	Fig. 49/50
22	17M	Anti-Climbing Device, Barbed Wire	20-SDMS-02	Fig. 13
23	2	Buckle Type, Locking Clip for Barbed Wire	20-SDMS-02	Fig. 13
24	1 Set	Pole Numbering Base Plate	20-SDMS-02	Fig. 51
25	1 Set	Pole Numbering Plates	20-SDMS-02	Fig. 51
		170.5mm2 ACSR/AW, MERLIN MAIN		

DRW.060A-OC14S, 14M, SINGLE CIRCUIT, SLACK POLE STRUCTURE WITH STAYS FROM SINGLE CIRCUIT TAP-OFF (MERLIN MAIN)

SERIAL NO.	QTY	BILL OF MATERIALS DESCRIPTION	REFERENCES	
01	1	OC14S – 14 Meter Steel Pole, HDG, Single Circuit	20-SDMS-01	Page 36
02	2	Crossarm – L 100x100x12x2400mm L.G.	20-SDMS-02	Fig. 01
03	2	Brace – L 50x50x4x828mm L.G.	20-SDMS-02	Fig. 04
04	2	Brace – L 50x50x4x828mm L.G. With One End Clipped	20-SDMS-02	Fig. 04
05	1	Line Post Insulator	15-SDMS-01	Clause 4.2.8
06	6 Set	Suspension Insulator	15-SDMS-01	Page 23
07	10	Machine Bolt, M20x60mm W/1 Nut, 2 Flat Washers & 1 Spring Washer	20-SDMS-02	Fig. 15
08	2	Machine Bolt, M20x225mm W/1 Nut, 2 Flat Washers & 1 Spring Washer	20-SDMS-02	Fig. 15
09	3	Parallel Groove Comp. Connector for 67.44mm2 ACSR/AW (Quail)	20-SDMS-02	Fig. 39
10	1	Parallel Groove Comp. Connector for 67.44mm2 ACSR/AW (Quail)	20-SDMS-02	Fig. 39
11	2	Strain Clamp, Straight Line Deadend Type for Quail	20-SDMS-02	Fig. 30
12	6	Strain Clamp, 3 U-Bolts Type for Quail	20-SDMS-02	Fig. 29
13	6	Anchor Shackle	20-SDMS-02	Fig. 20
14	6	Clevis Eye Extension	20-SDMS-02	Fig. 21
15	1	Shoulder Eye Bolt, M20x260mm W/2 Nuts, 1 Flat & 1 Spring Washers	20-SDMS-02	Fig. 17
16	1	Preformed Line Post Insulator Top Tie For 67.44mm2 ACSR/AW (Quail)	20-SDMS-02	Fig. 35
17	3	Double Arming Plate, 100x12x700mm	20-SDMS-02	Fig. 07
18	1	Eye Nut For M20	20-SDMS-02	Fig. 19
19	32M	Stay Wire 7/4, 12mm Dia. HDG Steel, UTS 101kN (Min)		
20	1 Set	M.V.-S.C. Two Stay Assembly	20-SDMS-02	Drw. 303
21	1 Set	Danger Sign Plate Complete With Its Accessories	20-SDMS-02	Fig. 49/50
22	17M	Anti-Climbing Device, Barbed Wire	20-SDMS-02	Fig. 13
23	2	Buckle Type, Locking Clip for Barbed Wire	20-SDMS-02	Fig. 13
24	1 Set	Pole Numbering Base Plate	20-SDMS-02	Fig. 51
25	1 Set	Pole Numbering Plates	20-SDMS-02	Fig. 51
		67.44mm2 ACR/AW, QUAIL MAIN		

DRW.060B-OC14S, 14M, SINGLE CIRCUIT, SLACK POLE STRUCTURE WITH STAYS FROM SINGLE CIRCUIT TAP-OFF (QUAIL MAIN)

DRW.061-OC15S/D, 15M, S.C. TAP-OFF ON INTERMEDIATE 0°-5° STRUCTURE WITH STAYS

ALL DIMENSIONS ARE IN MILLIMETER

SERIAL NO.	QTY	BILL OF MATERIALS DESCRIPTION	REFERENCES	
01	1	OC15S/D – 15 Meter Steel Pole, HDG, Single Circuit	20-SDMS-01	Page 38
02	3	Crossarm – L 100x100x12x2400mm L.G.	20-SDMS-02	Fig. 01
03	3	Brace – L 50x50x4x828mm L.G.	20-SDMS-02	Fig. 04
04	3	Brace – L 50x50x4x828mm L.G. With One End Clipped	20-SDMS-02	Fig. 04
05	5	Line Post Insulator	15-SDMS-01	Clause 4.2.8
06	3 Set	Suspension Insulator	15-SDMS-01	Page 23
07	3	Parallel Groove Compression Connector for Merlin-Merlin	20-SDMS-02	Fig. 39
08	1	Parallel Groove Compression Connector for 67.44mm2 ACSR/AW (Quail)	20-SDMS-02	Fig. 39
09	14	Machine Bolt, M20x60mm With Nut, 2 Flat Washer & 1 Spring Washer	20-SDMS-02	Fig. 15
10	2	Machine Bolt, M20x225mm With Nut, 2 Flat Washer & 1 Spring Washer	20-SDMS-02	Fig. 15
11	3	Machine Bolt, M20x265mm With Nut, 2 Flat Washer & 1 Spring Washer	20-SDMS-02	Fig. 15
12	1	Strain Clamp, Straight Line Deadend Type for Quail	20-SDMS-02	Fig. 30
13	3	Strain Clamp, 3 U-Bolts Type for Merlin	20-SDMS-02	Fig. 29
14	4	Anchor Shackle	20-SDMS-02	Fig. 20
15	3	Clevis Eye Extension	20-SDMS-02	Fig. 21
16	3 Set	Preformed Armoured Rods for 170.5mm2 ASCR/AW (Merlin)	20-SDMS-02	Fig. 38
17a	3	Preformed Line Post Insulator Top Tie for Merlin With Armour	20-SDMS-02	Fig. 35
17b	2	Preformed Line Post Insulator Top Tie for Merlin	20-SDMS-02	Fig. 35
18	4	Double Arming Plate, 100x12x700mm	20-SDMS-02	Fig. 07
19	1	Earthwire Support Plate	20-SDMS-02	Fig. 06
20	1	Earthwire Suspension Support	20-SDMS-02	Fig. 05
21	1 Set	Preformed Armoured Rods for 67.44mm2 ASCR/AW (Quail)	20-SDMS-02	Fig. 38
22	2 Set	Phasing Plates (A,B,C)	20-SDMS-02	Fig. 53/54
23	31M	Stay Wire 7/4, 12mm Dia. HDG Steel, UTS 101kN (Min)		
24	1 Set	M.V.-S.C. Two Stay Assembly	20-SDMS-02	Drw. 304
25	1 Set	Danger Sign Plate Complete With Its Accessories	20-SDMS-02	Fig. 49/50
26	18M	Anti-Climbing Device, Barbed Wire	20-SDMS-02	Fig. 13
27	2	Buckle Type, Locking Clip for Barbed Wire	20-SDMS-02	Fig. 13
28	1 Set	Pole Numbering Base Plate	20-SDMS-02	Fig. 51
29	1 Set	Pole Numbering Plates	20-SDMS-02	Fig. 51
		170.5 ACSR/AW, MERLIN		

DRW.061A-OC15S/D, 15M, S.C. TAP-OFF ON INTERMEDIATE 0°-5° STRUC. WITH STAYS FOR MERLIN MAIN & MERLIN TAP-OFF

Saudi Electricity Company الشركة السعودية للكهرباء

SEC DISTRIBUTION CONSTRUCTION STANDARDS

SDCS-01

Dated: 24-06-2003

SERIAL NO.	QTY	BILL OF MATERIALS DESCRIPTION	REFERENCES	
01	1	OC14S – 14 Meter Steel Pole, HDG, Single Circuit	20-SDMS-01	Page 36
02	3	Crossarm – L 100x100x12x2400mm L.G.	20-SDMS-02	Fig. 01
03	3	Brace – L 50x50x4x828mm L.G.	20-SDMS-02	Fig. 04
04	3	Brace – L 50x50x4x828mm L.G. With One End Clipped	20-SDMS-02	Fig. 04
05	5	Line Post Insulator	15-SDMS-01	Clause 4.2.8
06	3 Set	Suspension Insulator	15-SDMS-01	Page 23
07	3	Parallel Groove Compression Connector for Merlin – Quail	20-SDMS-02	Fig. 39
08	1	Parallel Groove Compression Connector for 67.44mm2 ACSR/AW (Quail)	20-SDMS-02	Fig. 39
09	14	Machine Bolt, M20x60mm With Nut, 2 Flat Washer & 1 Spring Washer	20-SDMS-02	Fig. 15
10	2	Machine Bolt, M20x225mm With Nut, 2 Flat Washer & 1 Spring Washer	20-SDMS-02	Fig. 15
11	3	Machine Bolt, M20x265mm With Nut, 2 Flat Washer & 1 Spring Washer	20-SDMS-02	Fig. 15
12	1	Strain Clamp, Straight Line Deadend Type for Quail	20-SDMS-02	Fig. 30
13	3	Strain Clamp, 3 U-Bolts Type for Quail	20-SDMS-02	Fig. 29
14	4	Anchor Shackle	20-SDMS-02	Fig. 20
15	3	Clevis Eye Extension	20-SDMS-02	Fig. 21
16	3 Set	Preformed Armoured Rods for 170.5mm2 ASCR/AW (Merlin)	20-SDMS-02	Fig. 38
17a	3	Preformed Line Post Insulator Top Tie for Merlin With Armour	20-SDMS-02	Fig. 35
17b	2	Preformed Line Post Insulator Top Tie for Quail	20-SDMS-02	Fig. 35
18	4	Double Arming Plate, 100x12x700mm	20-SDMS-02	Fig. 07
19	1	Earthwire Support Plate	20-SDMS-02	Fig. 06
20	1	Earthwire Suspension Support	20-SDMS-02	Fig. 05
21	1 Set	Preformed Armoured Rods for 67.44mm2 ASCR/AW (Quail)	20-SDMS-02	Fig. 38
22	2 Set	Phasing Plates (A,B,C)	20-SDMS-02	Fig. 53/54
23	31M	Stay Wire 7/4, 12mm Dia. HDG Steel, UTS 101kN (Min)		
24	1 Set	M.V.-S.C. Two Stay Assembly	20-SDMS-02	Drw. 304
25	1 Set	Danger Sign Plate Complete With Its Accessories	20-SDMS-02	Fig. 49/50
26	18M	Anti-Climbing Device, Barbed Wire	20-SDMS-02	Fig. 13
27	2	Buckle Type, Locking Clip for Barbed Wire	20-SDMS-02	Fig. 13
28	1 Set	Pole Numbering Base Plate	20-SDMS-02	Fig. 51
29	1 Set	Pole Numbering Plates	20-SDMS-02	Fig. 51
		MERLIN MAIN & QUAIL TAP-OFF		

DRW.061B-OC15S/D, 15M,S.C. TAP-OFF ON INTERMEDIATE 0°-5° STRUC. WITH STAYS FOR MERLIN MAIN & QUAIL TAP-OFF

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Dated: 24-06-2003

SERIAL NO.	QTY	BILL OF MATERIALS DESCRIPTION	REFERENCES	
01	1	OC15S/D – 15 Meter Steel Pole, HDG, Single Circuit	20-SDMS-01	Page 38
02	3	Crossarm – L 100x100x12x2400mm L.G.	20-SDMS-02	Fig. 01
03	3	Brace – L 50x50x4x828mm L.G.	20-SDMS-02	Fig. 04
04	3	Brace – L 50x50x4x828mm L.G. With One End Clipped	20-SDMS-02	Fig. 04
05	5	Line Post Insulator	15-SDMS-01	Clause 4.2.8
06	3 Set	Suspension Insulator	15-SDMS-01	Page 23
07	3	Parallel Groove Compression Connector for Quail-Quail	20-SDMS-02	Fig. 39
08	1	Parallel Groove Compression Connector for 67.44mm2 ACSR/AW (Quail)	20-SDMS-02	Fig. 39
09	14	Machine Bolt, M20x60mm With Nut, 2 Flat Washer & 1 Spring Washer	20-SDMS-02	Fig. 15
10	2	Machine Bolt, M20x225mm With Nut, 2 Flat Washer & 1 Spring Washer	20-SDMS-02	Fig. 15
11	3	Machine Bolt, M20x265mm With Nut, 2 Flat Washer & 1 Spring Washer	20-SDMS-02	Fig. 15
12	1	Strain Clamp, Straight Line Deadend Type for Quail	20-SDMS-02	Fig. 30
13	3	Strain Clamp, 3 U-Bolts Type for Quail	20-SDMS-02	Fig. 29
14	4	Anchor Shackle	20-SDMS-02	Fig. 20
15	3	Clevis Eye Extension	20-SDMS-02	Fig. 21
16	3 Set	Preformed Armoured Rods for 67.44mm2 ASCR/AW (Quail)	20-SDMS-02	Fig. 38
17a	3	Preformed Line Post Insulator Top Tie for Quail With Armour	20-SDMS-02	Fig. 35
17b	2	Preformed Line Post Insulator Top Tie for Quail	20-SDMS-02	Fig. 35
18	4	Double Arming Plate, 100x12x700mm	20-SDMS-02	Fig. 07
19	1	Earthwire Support Plate	20-SDMS-02	Fig. 06
20	1	Earthwire Suspension Support	20-SDMS-02	Fig. 05
21	1 Set	Preformed Armoured Rods for 67.44mm2 ASCR/AW (Quail)	20-SDMS-02	Fig. 38
22	2 Set	Phasing Plates (A,B,C)	20-SDMS-02	Fig. 53/54
23	31M	Stay Wire 7/4, 12mm Dia. HDG Steel, UTS 101kN (Min)		
24	1 Set	M.V.-S.C. Two Stay Assembly	20-SDMS-02	Drw. 304
25	1 Set	Danger Sign Plate Complete With Its Accessories	20-SDMS-02	Fig. 49/50
26	18M	Anti-Climbing Device, Barbed Wire	20-SDMS-02	Fig. 13
27	2	Buckle Type, Locking Clip for Barbed Wire	20-SDMS-02	Fig. 13
28	1 Set	Pole Numbering Base Plate	20-SDMS-02	Fig. 51
29	1 Set	Pole Numbering Plates	20-SDMS-02	Fig. 51
		67.44mm2 ACSR/AW, QUAIL		

DRW.061C-OC15S/D, 15M, S.C. TAP-OFF ON INTERMEDIATE 0°-5° STRUC. WITH STAYS FOR QUAIL MAIN & QUAIL TAP-OFF

DRW.062-OC15S/D,15M,S.C. TAP-OFF ON LIGHT ANGLE 6°-15° STUR.W/STAYS

ALL DIMENSIONS ARE IN MILLIMETER

SERIAL NO.	QTY	BILL OF MATERIALS DESCRIPTION	REFERENCES	
01	1	OC15S/D – 15 Meter Steel Pole, HDG, Single Circuit	20-SDMS-01	Page 38
02	3	Crossarm – L 100x100x12x2400mm L.G.	20-SDMS-02	Fig. 01
03	3	Brace – L 50x50x4x828mm L.G.	20-SDMS-02	Fig. 04
04	3	Brace – L 50x50x4x828mm L.G. With One End Clipped	20-SDMS-02	Fig. 04
05	5	Line Post Insulator	15-SDMS-01	Clause 4.2.8
06	3 Set	Suspension Insulator	15-SDMS-01	Page 23
07	3	Parallel Groove Compression Connector for Merlin-Merlin	20-SDMS-02	Fig. 39
08	1	Parallel Groove Compression Connector for 67.44mm2 ACSR/AW (Quail)	20-SDMS-02	Fig. 39
09	14	Machine Bolt, M20x60mm With Nut, 2 Flat Washer & 1 Spring Washer	20-SDMS-02	Fig. 15
10	2	Machine Bolt, M20x225mm With Nut, 2 Flat Washer & 1 Spring Washer	20-SDMS-02	Fig. 15
11	3	Machine Bolt, M20x265mm With Nut, 2 Flat Washer & 1 Spring Washer	20-SDMS-02	Fig. 15
12	1	Strain Clamp, Straight Line Deadend Type for Quail	20-SDMS-02	Fig. 30
13	3	Strain Clamp, 3 U-Bolts Type for Merlin	20-SDMS-02	Fig. 29
14	4	Anchor Shackle	20-SDMS-02	Fig. 20
15	3	Clevis Eye Extension	20-SDMS-02	Fig. 21
16	3 Set	Preformed Armoured Rods for 170mm2 ACSR/AW (Merlin)	20-SDMS-02	Fig. 38
17	3	Preformed Line Post Insulator Side Tie for Merlin With Armour	20-SDMS-02	Fig. 36
18	2	Preformed Line Post Insulator Top Tie for Merlin	20-SDMS-02	Fig. 35
19	4	Double Arming Plate, 100x12x700mm	20-SDMS-02	Fig. 07
20	1	Earthwire Support Plate	20-SDMS-02	Fig. 06
21	1	Earthwire Suspension Support	20-SDMS-02	Fig. 05
22	1 Set	Preformed Armoured Rods for 67.44mm2 ASCR/AW (Quail)	20-SDMS-02	Fig. 38
23	49M	Stay Wire 7/4, 12mm Dia. HDG Steel, UTS 101kN (Min)		
24	1 Set	M.V.-S.C. One Stay Assembly	20-SDMS-02	Drw. 303
25	1 Set	M.V.-S.C. Two Stay Assembly	20-SDMS-02	Drw. 304
26	2 Set	Phasing Plates (A,B,C)	20-SDMS-02	Fig. 53/54
27	1 Set	Danger Sign Plate Complete With Its Accessories	20-SDMS-02	Fig. 49/50
28	18M	Anti-Climbing Device, Barbed Wire	20-SDMS-02	Fig. 13
29	2	Buckle Type, Locking Clip for Barbed Wire	20-SDMS-02	Fig. 13
30	1 Set	Pole Numbering Base Plate	20-SDMS-02	Fig. 51
31	1 Set	Pole Numbering Plates	20-SDMS-02	Fig. 51
		170.5mm2 ACSR/AW, MERLIN		

DRW.062A-OC15S/D, 15M, S.C. TAP-OFF ON LIGHT ANGLE STRUCTURE 6°-15° WITH STAYS FOR MERLIN MAIN & MERLIN TAP-OFF

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SEC DISTRIBUTION CONSTRUCTION STANDARDS

SDCS-01

Dated: 24-06-2003

SERIAL NO.	QTY	BILL OF MATERIALS DESCRIPTION	REFERENCES	
01	1	OC15S/D – 15 Meter Steel Pole, HDG, Single Circuit	20-SDMS-01	Page 38
02	3	Crossarm – L 100x100x12x2400mm L.G.	20-SDMS-02	Fig. 01
03	3	Brace – L 50x50x4x828mm L.G.	20-SDMS-02	Fig. 04
04	3	Brace – L 50x50x4x828mm L.G. With One End Clipped	20-SDMS-02	Fig. 04
05	5	Line Post Insulator	15-SDMS-01	Clause 4.2.8
06	3 Set	Suspension Insulator	15-SDMS-01	Page 23
07	3	Parallel Groove Compression Connector for Merlin – Quail	20-SDMS-02	Fig. 39
08	1	Parallel Groove Compression Connector for 67.44mm2 ACSR/AW (Quail)	20-SDMS-02	Fig. 39
09	14	Machine Bolt, M20x60mm With Nut, 2 Flat Washer & 1 Spring Washer	20-SDMS-02	Fig. 15
10	2	Machine Bolt, M20x225mm With Nut, 2 Flat Washer & 1 Spring Washer	20-SDMS-02	Fig. 15
11	3	Machine Bolt, M20x265mm With Nut, 2 Flat Washer & 1 Spring Washer	20-SDMS-02	Fig. 15
12	1	Strain Clamp, Straight Line Deadend Type for Quail	20-SDMS-02	Fig. 30
13	3	Strain Clamp, 3 U-Bolts Type for Quail	20-SDMS-02	Fig. 29
14	4	Anchor Shackle	20-SDMS-02	Fig. 20
15	3	Clevis Eye Extension	20-SDMS-02	Fig. 21
16	3 Set	Preformed Armoured Rods for 170mm2 ACSR/AW (Merlin)	20-SDMS-02	Fig. 38
17	3	Preformed Line Post Insulator Side Tie for Merlin With Armour	20-SDMS-02	Fig. 36
18	2	Preformed Line Post Insulator Top Tie for Quail	20-SDMS-02	Fig. 35
19	4	Double Arming Plate, 100x12x700mm	20-SDMS-02	Fig. 07
20	1	Earthwire Support Plate	20-SDMS-02	Fig. 06
21	1	Earthwire Suspension Support	20-SDMS-02	Fig. 05
22	1 Set	Preformed Armoured Rods for 67.44mm2 ASCR/AW (Quail)	20-SDMS-02	Fig. 38
23	49M	Stay Wire 7/4, 12mm Dia. HDG Steel, UTS 101kN (Min)		
24	1 Set	M.V.-S.C. One Stay Assembly	20-SDMS-02	Drw. 303
25	1 Set	M.V.-S.C. Two Stay Assembly	20-SDMS-02	Drw. 304
26	2 Set	Phasing Plates (A,B,C)	20-SDMS-02	Fig. 53/54
27	1 Set	Danger Sign Plate Complete With Its Accessories	20-SDMS-02	Fig. 49&50
28	18M	Anti-Climbing Device, Barbed Wire	20-SDMS-02	Fig. 13
29	2	Buckle Type, Locking Clip for Barbed Wire	20-SDMS-02	Fig. 13
30	1 Set	Pole Numbering Base Plate	20-SDMS-02	Fig. 51
31	1 Set	Pole Numbering Plates	20-SDMS-02	Fig. 51
		MERLIN MAIN & QUAIL TAP-OFF		

DRW.062B-OC15S/D, 15M, S.C. TAP-OFF ON LIGHT ANGLE STRUCTURE 6°-15° WITH STAYS FOR MERLIN MAIN & QUAIL TAP-OFF

SERIAL NO.	QTY	BILL OF MATERIALS DESCRIPTION	REFERENCES	
01	1	OC15S/D − 15 Meter Steel Pole, HDG, Single Circuit	20−SDMS−01	Page 38
02	3	Crossarm − L 100x100x12x2400mm L.G.	20−SDMS−02	Fig. 01
03	3	Brace − L 50x50x4x828mm L.G.	20−SDMS−02	Fig. 04
04	3	Brace − L 50x50x4x828mm L.G. With One End Clipped	20−SDMS−02	Fig. 04
05	5	Line Post Insulator	15−SDMS−01	Clause 4.2.8
06	3 Set	Suspension Insulator	15−SDMS−01	Page 23
07	3	Parallel Groove Compression Connector for Quail−Quail	20−SDMS−02	Fig. 39
08	1	Parallel Groove Compression Connector for 67.44mm2 ACSR/AW (Quail)	20−SDMS−02	Fig. 39
09	14	Machine Bolt, M20x60mm With Nut, 2 Flat Washer & 1 Spring Washer	20−SDMS−02	Fig. 15
10	2	Machine Bolt, M20x225mm With Nut, 2 Flat Washer & 1 Spring Washer	20−SDMS−02	Fig. 15
11	3	Machine Bolt, M20x265mm With Nut, 2 Flat Washer & 1 Spring Washer	20−SDMS−02	Fig. 15
12	1	Strain Clamp, Straight Line Deadend Type for Quail	20−SDMS−02	Fig. 30
13	3	Strain Clamp, 3 U−Bolts Type for Quail	20−SDMS−02	Fig. 29
14	4	Anchor Shackle	20−SDMS−02	Fig. 20
15	3	Clevis Eye Extension	20−SDMS−02	Fig. 21
16	3 Set	Preformed Armoured Rods for 67.44mm2 ACSR/AW (Quail)	20−SDMS−02	Fig. 38
17	3	Preformed Line Post Insulator Side Tie for Quail With Armour	20−SDMS−02	Fig. 36
18	2	Preformed Line Post Insulator Top Tie for Quail	20−SDMS−02	Fig. 35
19	4	Double Arming Plate, 100x12x700mm	20−SDMS−02	Fig. 07
20	1	Earthwire Support Plate	20−SDMS−02	Fig. 06
21	1	Earthwire Suspension Support	20−SDMS−02	Fig. 05
22	1 Set	Preformed Armoured Rods for 67.44mm2 ASCR/AW (Quail)	20−SDMS−02	Fig. 38
23	49M	Stay Wire 7/4, 12mm Dia. HDG Steel, UTS 101kN (Min)		
24	1 Set	M.V.−S.C. One Stay Assembly	20−SDMS−02	Drw. 303
25	1 Set	M.V.−S.C. Two Stay Assembly	20−SDMS−02	Drw. 304
26	2 Set	Phasing Plates (A,B,C)	20−SDMS−02	Fig. 53/54
27	1 Set	Danger Sign Plate Complete With Its Accessories	20−SDMS−02	Fig. 49/50
28	18M	Anti−Climbing Device, Barbed Wire	20−SDMS−02	Fig. 13
29	2	Buckle Type, Locking Clip for Barbed Wire	20−SDMS−02	Fig. 13
30	1 Set	Pole Numbering Base Plate	20−SDMS−02	Fig. 51
31	1 Set	Pole Numbering Plates	20−SDMS−02	Fig. 51
		67.44mm2 ACSR/AW, QUAIL		

DRW.062C−OC15S/D, 15M, S.C. TAP−OFF ON LIGHT ANGLE STRUCTURE 6°−15° WITH STAY FOR QUAIL MAIN & QUAIL TAP−OFF

1290
1200
550
800
725

DRW.063-OC15S/D, 15M, S.C. TAP-OFF ON MEDIUM & HEAVY 16°-90° ANGLE STRUCTURE WITH STAYS

ALL DIMENSIONS ARE IN MILLIMETER

Saudi Electricity Company الشركة السعودية للكهرباء

SEC DISTRIBUTION CONSTRUCTION STANDARDS

SDCS-01

Dated: 24-06-2003

SERIAL NO.	QTY	BILL OF MATERIALS DESCRIPTION	REFERENCES	
01	1	OC15S/D – 15 Meter Steel Pole, HDG, Single Circuit	20-SDMS-01	Page 38
02	4	Crossarm – L 100x100x12x2400mm L.G.	20-SDMS-02	Fig. 01
03	4	Brace – L 50x50x4x828mm L.G.	20-SDMS-02	Fig. 04
04	4	Brace – L 50x50x4x828mm L.G. With One End Clipped	20-SDMS-02	Fig. 04
05	4	Line Post Insulator	15-SDMS-01	Clause 4.2.8
06	9 Set	Suspension Insulator	15-SDMS-01	Page 23
07	6	Parallel Groove Compression Connector for Merlin-Merlin	20-SDMS-02	Fig. 39
08	2	Parallel Groove Compression Connector for Quail	20-SDMS-02	Fig. 39
09	22	Machine Bolt, M20x60mm With Nut, 2 Flat Washer & 1 Spring Washer	20-SDMS-02	Fig. 15
10	2	Machine Bolt, M20x225mm With Nut, 2 Flat Washer & 1 Spring Washer	20-SDMS-02	Fig. 15
11	3	Machine Bolt, M20x265mm With Nut, 2 Flat Washer & 1 Spring Washer	20-SDMS-02	Fig. 15
12	3	Strain Clamp, Straight Line Deadend Type for Quail	20-SDMS-02	Fig. 30
13	9	Strain Clamp, 3 U-Bolts Type for Merlin	20-SDMS-02	Fig. 29
14	12	Anchor Shackle	20-SDMS-02	Fig. 20
15	9	Clevis Eye Extension	20-SDMS-02	Fig. 21
16	1	Earthwire Suspension Support	20-SDMS-02	Fig. 05
17	4	Preformed Line Post Insulator Top Tie for Merlin	20-SDMS-02	Fig. 35
18	7	Double Arming Plate, 100x12x700mm	20-SDMS-02	Fig. 07
19	2 Set	Phasing Plates (A,B,C)	20-SDMS-02	Fig. 53/54
20	66M	Stay Wire 7/4, 12mm Dia. HDG Steel, UTS 101kN (Min)		
21	2 Set	M.V.-S.C. Two Stay Assembly	20-SDMS-02	Drw. 304
22	1 Set	Danger Sign Plate Complete With Its Accessories	20-SDMS-02	Fig. 49/50
23	18M	Anti-Climbing Device, Barbed Wire	20-SDMS-02	Fig. 13
24	2	Buckle Type, Locking Clip for Barbed Wire	20-SDMS-02	Fig. 13
25	1 Set	Pole Numbering Base Plate	20-SDMS-02	Fig. 51
26	1 Set	Pole Numbering Plates	20-SDMS-02	Fig. 51
		170.5mm2 ACSR/AW, MERLIN		

DRW.063A-OC15S/D, 15M, S.C.TAP-OFF ON MEDIUM & HEAVY ANGLE 16°-90° WITH STAYS FOR MERLIN MAIN & MERLIN TAP-OFF

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SERIAL NO.	QTY	BILL OF MATERIALS DESCRIPTION	REFERENCES	
01	1	OC15S/D – 15 Meter Steel Pole, HDG, Single Circuit	20-SDMS-01	Page 38
02	4	Crossarm – L 100x100x12x2400mm L.G.	20-SDMS-02	Fig. 01
03	4	Brace – L 50x50x4x828mm L.G.	20-SDMS-02	Fig. 04
04	4	Brace – L 50x50x4x828mm L.G. With One End Clipped	20-SDMS-02	Fig. 04
05	4	Line Post Insulator	15-SDMS-01	Clause 4.2.8
06	9 Set	Suspension Insulator	15-SDMS-01	Page 23
07a	3	Parallel Groove Compression Connector for Merlin – Merlin	20-SDMS-02	Fig. 39
07b	3	Parallel Groove Compression Connector for Merlin – Quail	20-SDMS-02	Fig. 39
08	2	Parallel Groove Comp. Connector for 67.44mm2 ACSR/AW (Quail)	20-SDMS-02	Fig. 39
09	22	Machine Bolt, M20x60mm With Nut, 2 Flat Washer & 1 Spring Washer	20-SDMS-02	Fig. 15
10	2	Machine Bolt, M20x225mm With Nut, 2 Flat Washer & 1 Spring Washer	20-SDMS-02	Fig. 15
11	3	Machine Bolt, M20x265mm With Nut, 2 Flat Washer & 1 Spring Washer	20-SDMS-02	Fig. 15
12	3	Strain Clamp, Straight Line Deadend Type for Quail	20-SDMS-02	Fig. 30
13a	6	Strain Clamp, 3 U-Bolts Type for Merlin	20-SDMS-02	Fig. 29
13b	3	Strain Clamp, 3 U-Bolts Type for Quail	20-SDMS-02	Fig. 29
14	12	Anchor Shackle	20-SDMS-02	Fig. 20
15	9	Clevis Eye Extension	20-SDMS-02	Fig. 21
16	1	Earthwire Suspension Support	20-SDMS-02	Fig. 05
17a	2	Preformed Line Post Insulator Top Tie for Merlin	20-SDMS-02	Fig. 35
17b	2	Preformed Line Post Insulator Top Tie for Quail	20-SDMS-02	Fig. 35
18	7	Double Arming Plate, 100x12x700mm	20-SDMS-02	Fig. 07
19	2 Set	Phasing Plates (A,B,C)	20-SDMS-02	Fig. 53/54
20	66M	Stay Wire 7/4, 12mm Dia. HDG Steel, UTS 101kN (Min)		
21	2 Set	M.V.-S.C. Two Stay Assembly	20-SDMS-02	Drw. 304
22	1 Set	Danger Sign Plate Complete With Its Accessories	20-SDMS-02	Fig. 49/50
23	18M	Anti-Climbing Device, Barbed Wire	20-SDMS-02	Fig. 13
24	2	Buckle Type, Locking Clip for Barbed Wire	20-SDMS-02	Fig. 13
25	1 Set	Pole Numbering Base Plate	20-SDMS-02	Fig. 51
26	1 Set	Pole Numbering Plates	20-SDMS-02	Fig. 51
		MERLIN MAIN & QUAIL TAP-OFF		

DRW.063B-OC15S/D, 15M, S.C. TAP-OFF ON MEDIUM & HEAVY ANGLE 16°-90° WITH STAYS FOR MERLIN MAIN & QUAIL TAP-OFF

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SERIAL NO.	QTY	BILL OF MATERIALS DESCRIPTION	REFERENCES	
01	1	OC14S - 14 Meter Steel Pole, HDG, Single Circuit	20-SDMS-01	Page 36
02	4	Crossarm - L 100x100x12x2400mm L.G.	20-SDMS-02	Fig. 01
03	4	Brace - L 50x50x4x828mm L.G.	20-SDMS-02	Fig. 04
04	4	Brace - L 50x50x4x828mm L.G. With One End Clipped	20-SDMS-02	Fig. 04
05	4	Line Post Insulator	15-SDMS-01	Clause 4.2.8
06	9 Set	Suspension Insulator	15-SDMS-01	Page 23
07	6	Parallel Groove Compression Connector for Quail - Quail	20-SDMS-02	Fig. 39
08	2	Parallel Groove Compression Connector for Quail	20-SDMS-02	Fig. 39
09	22	Machine Bolt, M20x60mm With Nut, 2 Flat Washer & 1 Spring Washer	20-SDMS-02	Fig. 15
10	2	Machine Bolt, M20x225mm With Nut, 2 Flat Washer & 1 Spring Washer	20-SDMS-02	Fig. 15
11	3	Machine Bolt, M20x265mm With Nut, 2 Flat Washer & 1 Spring Washer	20-SDMS-02	Fig. 15
12	3	Strain Clamp, Straight Line Deadend Type for Quail	20-SDMS-02	Fig. 30
13	9	Strain Clamp, 3 U-Bolts Type for Quail	20-SDMS-02	Fig. 29
14	12	Anchor Shackle	20-SDMS-02	Fig. 20
15	9	Clevis Eye Extension	20-SDMS-02	Fig. 21
16	1	Earthwire Suspension Support	20-SDMS-02	Fig. 05
17	4	Preformed Line Post Insulator Top Tie for Quail	20-SDMS-02	Fig. 35
18	7	Double Arming Plate, 100x12x700mm	20-SDMS-02	Fig. 07
19	2 Set	Phasing Plates (A,B,C)	20-SDMS-02	Fig. 53/54
20	66M	Stay Wire 7/4, 12mm Dia. HDG Steel, UTS 101kN (Min)		
21	2 Set	M.V.-S.C. Two Stay Assembly	20-SDMS-02	Drw. 304
22	1 Set	Danger Sign Plate Complete With Its Accessories	20-SDMS-02	Fig. 49/50
23	18M	Anti-Climbing Device, Barbed Wire	20-SDMS-02	Fig. 13
24	2	Buckle Type, Locking Clip for Barbed Wire	20-SDMS-02	Fig. 13
25	1 Set	Pole Numbering Base Plate	20-SDMS-02	Fig. 51
26	1 Set	Pole Numbering Plates	20-SDMS-02	Fig. 51
		67.44mm2 ACSR/AW, QUAIL		

DRW.063C-OC15S/D, 15M, S.C. TAP-OFF ON MEDIUM & HEAVY ANGLE 16°-90° WITH STAYS FOR QUAIL MAIN & QUAIL TAP-OFF

DRW.064-0C15S/D, 15M, SINGLE CIRCUIT, SLACK POLE STRUCTURE WITH STAYS FROM SINGLE CIRCUIT TAP-OFF

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SERIAL NO.	QTY	BILL OF MATERIALS DESCRIPTION	REFERENCES	
01	1	OC15S/D – 15 Meter Steel Pole, HDG, Single Circuit	20-SDMS-01	Page 38
02	2	Crossarm – L 100x100x12x2400mm L.G.	20-SDMS-02	Fig. 01
03	2	Brace – L 50x50x4x828mm L.G.	20-SDMS-02	Fig. 04
04	2	Brace – L 50x50x4x828mm L.G. With One End Clipped	20-SDMS-02	Fig. 04
05	1	Line Post Insulator	15-SDMS-01	Clause 4.2.8
06	6 Set	Suspension Insulator	15-SDMS-01	Page 23
07	10	Machine Bolt, M20x60mm W/1 Nut, 2 Flat Washers & 1 Spring Washer	20-SDMS-02	Fig. 15
08	2	Machine Bolt, M20x225mm W/1 Nut, 2 Flat Washers & 1 Spring Washer	20-SDMS-02	Fig. 15
09	3	Parallel Groove Comp. Connector for 170.5mm2 ACSR/AW (Merlin)	20-SDMS-02	Fig. 39
10	1	Parallel Groove Comp. Connector for 67.44mm2 ACSR/AW (Quail)	20-SDMS-02	Fig. 39
11	2	Strain Clamp, Straight Line Deadend Type for Quail	20-SDMS-02	Fig. 30
12	6	Strain Clamp, 3 U-Bolts Type for Merlin	20-SDMS-02	Fig. 29
13	6	Anchor Shackle	20-SDMS-02	Fig. 20
14	6	Clevis Eye Extension	20-SDMS-02	Fig. 21
15	1	Shoulder Eye Bolt, M20x260mm W/2 Nuts, 1 Flat & 1 Spring Washers	20-SDMS-02	Fig. 17
16	1	Preformed Line Post Insulator Top Tie For 170.5mm2 ACSR/AW (Merlin)	20-SDMS-02	Fig. 35
17	3	Double Arming Plate, 100x12x700mm	20-SDMS-02	Fig. 07
18	1	Eye Nut For M20	20-SDMS-02	Fig. 19
19	35M	Stay Wire 7/4, 12mm Dia. HDG Steel, UTS 101kN (Min)		
20	1 Set	M.V.-S.C. Two Stay Assembly	20-SDMS-02	Drw. 303
21	1 Set	Danger Sign Plate Complete With Its Accessories	20-SDMS-02	Fig. 49/50
22	18M	Anti-Climbing Device, Barbed Wire	20-SDMS-02	Fig. 13
23	2	Buckle Type, Locking Clip for Barbed Wire	20-SDMS-02	Fig. 13
24	1 Set	Pole Numbering Base Plate	20-SDMS-02	Fig. 51
25	1 Set	Pole Numbering Plates	20-SDMS-02	Fig. 51
		170.5mm2 ACSR/AW, MERLIN		

DRW.064A-OC15S/D, 15M, SINGLE CIRCUIT, SLACK POLE STRUCTURE WITH STAYS FROM SINGLE CIRCUIT TAP-OFF (MERLIN MAIN)

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01	1	OC15S/D - 15 Meter Steel Pole, HDG, Single Circuit	20-SDMS-01	Page 38
02	2	Crossarm - L 100x100x12x2400mm L.G.	20-SDMS-02	Fig. 01
03	2	Brace - L 50x50x4x828mm L.G.	20-SDMS-02	Fig. 04
04	2	Brace - L 50x50x4x828mm L.G. With One End Clipped	20-SDMS-02	Fig. 04
05	1	Line Post Insulator	15-SDMS-01	Clause 4.2.8
06	6 Set	Suspension Insulator	15-SDMS-01	Page 23
07	10	Machine Bolt, M20x60mm W/1 Nut, 2 Flat Washers & 1 Spring Washer	20-SDMS-02	Fig. 15
08	2	Machine Bolt, M20x225mm W/1 Nut, 2 Flat Washers & 1 Spring Washer	20-SDMS-02	Fig. 15
09	3	Parallel Groove Comp. Connector for 67.44mm2 ACSR/AW (Quail)	20-SDMS-02	Fig. 39
10	1	Parallel Groove Comp. Connector for 67.44mm2 ACSR/AW (Quail)	20-SDMS-02	Fig. 39
11	2	Strain Clamp, Straight Line Deadend Type for Quail	20-SDMS-02	Fig. 30
12	6	Strain Clamp, 3 U-Bolts Type for Quail	20-SDMS-02	Fig. 29
13	6	Anchor Shackle	20-SDMS-02	Fig. 20
14	6	Clevis Eye Extension	20-SDMS-02	Fig. 21
15	1	Shoulder Eye Bolt, M20x260mm W/2 Nuts, 1 Flat & 1 Spring Washers	20-SDMS-02	Fig. 17
16	1	Preformed Line Post Insulator Top Tie For 67.44mm2 ACSR/AW (Quail)	20-SDMS-02	Fig. 35
17	3	Double Arming Plate, 100x12x700mm	20-SDMS-02	Fig. 07
18	1	Eye Nut For M20	20-SDMS-02	Fig. 19
19	35M	Stay Wire 7/4, 12mm Dia. HDG Steel, UTS 101kN (Min)		
20	1 Set	M.V.-S.C. Two Stay Assembly	20-SDMS-02	Drw. 303
21	1 Set	Danger Sign Plate Complete With Its Accessories	20-SDMS-02	Fig. 49/50
22	18M	Anti-Climbing Device, Barbed Wire	20-SDMS-02	Fig. 13
23	2	Buckle Type, Locking Clip for Barbed Wire	20-SDMS-02	Fig. 13
24	1 Set	Pole Numbering Base Plate	20-SDMS-02	Fig. 51
25	1 Set	Pole Numbering Plates	20-SDMS-02	Fig. 51
		67.44mm2 ACSR/AW, QUAIL		

DRW.064B-OC15S/D, 15M, SINGLE CIRCUIT, SLACK POLE STRUCTURE WITH STAYS FROM SINGLE CIRCUIT TAP-OFF (QUAIL MAIN)